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<210> 3439

<211> 712

<212> DNA

<213> Homo sapiens

<400> 3439

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<210> 3440

<211> 840

<212> DNA

<213> Homo sapiens

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<210> 3441

<211> 890

<212> DNA

<213> Homo sapiens

<400> 3441

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<210> 3442

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3442

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 caagtgcagt tgatcagcaa aggccaacca aaccctttga aaaatattct aaatgaaaat 420
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<210> 3443

<211> 802

<212> DNA

<213> Homo sapiens

<400> 3443

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<210> 3444

<211> 868

<212> DNA

<213> Homo sapiens

<400> 3444

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<210> 3445

<211> 862

<212> DNA

<213> Homo sapiens

<400> 3445

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<210> 3446

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3446

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<210> 3447

<211> 738

<212> DNA

<213> Homo sapiens

<400> 3447

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<210> 3448

<211> 715

<212> DNA

<213> Homo sapiens

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<210> 3449

<211> 775

<212> DNA

<213> Homo sapiens

<400> 3449

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<210> 3450

<211> 734

<212> DNA

<213> Homo sapiens

<400> 3450

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<210> 3451

<211> 664

<212> DNA

<213> Homo sapiens

<400> 3451

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<210> 3452

<211> 793

<212> DNA

<213> Homo sapiens

<400> 3452

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<210> 3453

<211> 770

<212> DNA

<213> Homo sapiens

<400> 3453

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attcttgact ggacttcaga atttcataag cagcatggct actgttcact tggtcactgc 540
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<210> 3454

<211> 753

<212> DNA

<213> Homo sapiens

<400> 3454

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<210> 3455

<211> 777

<212> DNA

<213> Homo sapiens

<400> 3455

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<210> 3456

<211> 902

<212> DNA

<213> Homo sapiens

<400> 3456

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<210> 3457

<211> 789

<212> DNA

<213> Homo sapiens

<400> 3457

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<210> 3458

<211> 772

<212> DNA

<213> Homo sapiens

<400> 3458

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<210> 3459

<211> 760

<212> DNA

<213> Homo sapiens

<400> 3459

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<210> 3460

<211> 713

<212> DNA

<213> Homo sapiens

<400> 3460

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<210> 3461

<211> 675

<212> DNA

<213> Homo sapiens

<400> 3461

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<210> 3462

<211> 814

<212> DNA

<213> Homo sapiens

<400> 3462

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<210> 3463

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3463

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<210> 3464

<211> 754

<212> DNA

<213> Homo sapiens

<400> 3464

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<211> 808

<212> DNA

<213> Homo sapiens

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<210> 3466

<211> 791

<212> DNA

<213> Homo sapiens

<400> 3466

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<210> 3467

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3467

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<210> 3468

<211> 820

<212> DNA

<213> Homo sapiens

<400> 3468

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<210> 3469

<211> 645

<212> DNA

<213> Homo sapiens

<400> 3469

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<210> 3470

<211> 792

<212> DNA

<213> Homo sapiens

<400> 3470

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<211> 841

<212> DNA

<213> Homo sapiens

<400> 3471

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<212> DNA

<213> Homo sapiens

<400> 3472

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<210> 3473

<211> 822

<212> DNA

<213> Homo sapiens

<400> 3473

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<210> 3474

<211> 638

<212> DNA

<213> Homo sapiens

<400> 3474

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638

<210> 3475

<211> 788

<212> DNA

<213> Homo sapiens

<400> 3475

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<210> 3476

<211> 696

<212> DNA

<213> Homo sapiens

<400> 3476

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<210> 3477

<211> 802

<212> DNA

<213> Homo sapiens

<400> 3477

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<210> 3478

<211> 873

<212> DNA

<213> Homo sapiens

<400> 3478

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<210> 3479

<211> 807

<212> DNA

<213> Homo sapiens

<400> 3479

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 3480

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<211> 891

<212> DNA

<213> Homo sapiens

<400> 3481

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<210> 3482

<211> 877

<212> DNA

<213> Homo sapiens

<400> 3482

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<210> 3483

<211> 684

<212> DNA

<213> Homo sapiens

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<210> 3484

<211> 732

<212> DNA

<213> Homo sapiens

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<210> 3485

<211> 724

<212> DNA

<213> Homo sapiens

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<210> 3486

<211> 669

<212> DNA

<213> Homo sapiens

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<210> 3487

<211> 908

<212> DNA

<213> Homo sapiens

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<210> 3488

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3488

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 tatttatgaa attattttaa cggtcaaaag attgttttta acatggttta atttcccaaa 180
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ctgaacttac cattcagagn

860

<210> 3489

<211> 795

<212> DNA

<213> Homo sapiens

<400> 3489

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 aagtaggaac cacagcagtg ggatggacgc agtatttcct gccaatcag accagaaac 720
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 caaaacttgg cttca 795

<210> 3490

<211> 844

<212> DNA

<213> Homo sapiens

<400> 3490

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<210> 3491

<211> 902

<212> DNA

<213> Homo sapiens

<400> 3491

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 gccacttcaa agaatttact ctgggggtcaa aaccacata ttttaataaac ataggaatga 180
 ttttgttgat tttccattgc tgtcacaaga acagaaagca cacattagga gaaaacctta 240
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 gtctcctgac agtcatcaga gaaatcatat gggagagaaa ccttataatg tcatgaatgt 840
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<210> 3492

<211> 692

<212> DNA

<213> Homo sapiens

<400> 3492

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<210> 3493

<211> 739

<212> DNA

<213> Homo sapiens

<400> 3493

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tggaaggcc tttagccagg ggtnacacct tattcagcat canaggagtc acattggtga   180
gaaaccctat gagtgtaatg agtgtgggaa aacctttggg cagatatcca ccctaattaa   240
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gaaaccctat gtatgtgcca aatgtggaaa atccttctga caaagctctn accttattca   660
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<210> 3494

<211> 724

<212> DNA

<213> Homo sapiens

<400> 3494

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acttgagtcc tcagggtgtg tgactccaaa gctgacaagc aggtggcatt cttcttcaga   180
    
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gcagggcaag tgtaattctg gaccaatgtg tgattctgag accagaccaa ccaactgaag 240
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aagc 724

<210> 3495

<211> 910

<212> DNA

<213> Homo sapiens

<400> 3495

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<210> 3496

<211> 761

<212> DNA

<213> Homo sapiens

<400> 3496

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<210> 3497

<211> 893

<212> DNA

<213> Homo sapiens

<400> 3497

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 gctgagacaa taaattacca aaaattataa tgtccgagct gaaaatgctc agtacattat 780
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<210> 3498

<211> 827

<212> DNA

<213> Homo sapiens

<400> 3498

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tgaagccacc agtgtccaac agaaggtcaa tttctctgaa gaaggagaaa ctgaagaaga 360
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 gatagctgct cttgcctctg ggagtttttg ggtcttttagt actnctgagg tagaaaccac 780
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<210> 3499

<211> 681

<212> DNA

<213> Homo sapiens

<400> 3499

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<210> 3500

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3500

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<210> 3501

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3501

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gagccaggag agtagctaca atgacttcac cagtactggt ggacatacga gaagaggtga  180

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<210> 3502

<211> 748

<212> DNA

<213> Homo sapiens

<400> 3502

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<210> 3503

<211> 717

<212> DNA

<213> Homo sapiens

<400> 3503

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<210> 3504

<211> 693

<212> DNA

<213> Homo sapiens

<400> 3504

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<210> 3505

<211> 851

<212> DNA

<213> Homo sapiens

<400> 3505

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<210> 3506

<211> 692

<212> DNA

<213> Homo sapiens

<400> 3506

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<210> 3507

<211> 681

<212> DNA

<213> Homo sapiens

<400> 3507

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<210> 3508

<211> 702

<212> DNA

<213> Homo sapiens

<400> 3508

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aattgaagaa cgaaggacct canaggaaga ataaggctag tccccaaagt gaatttatgc 660
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<210> 3509

<211> 597

<212> DNA

<213> Homo sapiens

<400> 3509

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<210> 3510

<211> 621

<212> DNA

<213> Homo sapiens

<400> 3510

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aaggatgctg cgagtgtgta gaggggagat gaaatggcca ggtgacatcc tcacaggatt 180
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<210> 3511

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3511

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<210> 3512

<211> 873

<212> DNA

<213> Homo sapiens

<400> 3512

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<210> 3513

<211> 879

<212> DNA

<213> Homo sapiens

<400> 3513

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<210> 3514

<211> 892

<212> DNA

<213> Homo sapiens

<400> 3514

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<210> 3515

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3515

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<210> 3516

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3516

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<210> 3517

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3517

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<210> 3518

<211> 826

<212> DNA

<213> Homo sapiens

<400> 3518

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<210> 3519

<211> 894

<212> DNA

<213> Homo sapiens

<400> 3519

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<210> 3520

<211> 805

<212> DNA

<213> Homo sapiens

<400> 3520

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<210> 3521

<211> 724

<212> DNA

<213> Homo sapiens

<400> 3521

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<210> 3522

<211> 842

<212> DNA

<213> Homo sapiens

<400> 3522

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<210> 3523

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3523

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<210> 3524

<211> 828

<212> DNA

<213> Homo sapiens

<400> 3524

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<210> 3525

<211> 803

<212> DNA

<213> Homo sapiens

<400> 3525

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<210> 3526

<211> 703

<212> DNA

<213> Homo sapiens

<400> 3526

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703

<210> 3527

<211> 761

<212> DNA

<213> Homo sapiens

<400> 3527

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gagagcctgc cagtggagac actgggcccc gcattccagga tggaccaga atctgagaga 180
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<210> 3528

<211> 778

<212> DNA

<213> Homo sapiens

<400> 3528

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<210> 3529

<211> 799

<212> DNA

<213> Homo sapiens

<400> 3529

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<210> 3530

<211> 834

<212> DNA

<213> Homo sapiens

<400> 3530

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 aacctgggac cacacgtctg cagaaacctg ctcttggttg ncttgagccc caggnccttg 780
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<210> 3531

<211> 812

<212> DNA

<213> Homo sapiens

<400> 3531

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<210> 3532

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3532

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<210> 3533

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3533

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<210> 3534

<211> 801

<212> DNA

<213> Homo sapiens

<400> 3534

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<210> 3535

<211> 741

<212> DNA

<213> Homo sapiens

<400> 3535

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<210> 3536

<211> 601

<212> DNA

<213> Homo sapiens

<400> 3536

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<210> 3537

<211> 744

<212> DNA

<213> Homo sapiens

<400> 3537

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<210> 3538

<211> 839

<212> DNA

<213> Homo sapiens

<400> 3538

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cgaccaagta gcggcatgga cticgagcct ggccccttcg gggntaaaac ttccagaca 780
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<210> 3539

<211> 760

<212> DNA

<213> Homo sapiens

<400> 3539

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<210> 3540

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3540

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<210> 3541

<211> 828

<212> DNA

<213> Homo sapiens

<400> 3541

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<210> 3542

<211> 789

<212> DNA

<213> Homo sapiens

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<210> 3543

<211> 852

<212> DNA

<213> Homo sapiens

<400> 3543

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<210> 3544

<211> 738

<212> DNA

<213> Homo sapiens

<400> 3544

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gatacaaagc tcanangagc tcgtggagac ctttcaggtg aagatggtct nctttgagct 720
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<210> 3545

<211> 695

<212> DNA

<213> Homo sapiens

<400> 3545

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<210> 3546

<211> 879

<212> DNA

<213> Homo sapiens

<400> 3546

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<210> 3547

<211> 685

<212> DNA

<213> Homo sapiens

<400> 3547

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<211> 762

<212> DNA

<213> Homo sapiens

<400> 3548

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<210> 3549

<211> 794

<212> DNA

<213> Homo sapiens

<400> 3549

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<210> 3550

<211> 847

<212> DNA

<213> Homo sapiens

<400> 3550

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<210> 3551

<211> 821

<212> DNA

<213> Homo sapiens

<400> 3551

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<210> 3552

<211> 756

<212> DNA

<213> Homo sapiens

<400> 3552

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<210> 3553

<211> 647

<212> DNA

<213> Homo sapiens

<400> 3553

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<210> 3554

<211> 717

<212> DNA

<213> Homo sapiens

<400> 3554

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<210> 3555

<211> 714

<212> DNA

<213> Homo sapiens

<400> 3555

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<210> 3556

<211> 870

<212> DNA

<213> Homo sapiens

<400> 3556

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<210> 3557

<211> 873

<212> DNA

<213> Homo sapiens

<400> 3557

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<210> 3558

<211> 806

<212> DNA

<213> Homo sapiens

<400> 3558

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<210> 3559

<211> 839

<212> DNA

<213> Homo sapiens

<400> 3559

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<210> 3560

<211> 777

<212> DNA

<213> Homo sapiens

<400> 3560

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<210> 3561

<211> 743

<212> DNA

<213> Homo sapiens

<400> 3561

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<210> 3562

<211> 814

<212> DNA

<213> Homo sapiens

<400> 3562

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<210> 3563

<211> 887

<212> DNA

<213> Homo sapiens

<400> 3563

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<210> 3564

<211> 796

<212> DNA

<213> Homo sapiens

<400> 3564

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<210> 3565

<211> 834

<212> DNA

<213> Homo sapiens

<400> 3565

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<210> 3566

<211> 772

<212> DNA

<213> Homo sapiens

<400> 3566

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<210> 3567

<211> 875

<212> DNA

<213> Homo sapiens

<400> 3567

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<210> 3568

<211> 772

<212> DNA

<213> Homo sapiens

<400> 3568

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<211> 873

<212> DNA

<213> Homo sapiens

<400> 3569

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<211> 737

<212> DNA

<213> Homo sapiens

<400> 3570

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 taccattact atgggattcg tctgaagccg gactcaccac tgaaccggct gcaggaggac 660
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<210> 3571

<211> 840

<212> DNA

<213> Homo sapiens

<400> 3571

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<210> 3572

<211> 514

<212> DNA

<213> Homo sapiens

<400> 3572

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<210> 3573

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3573

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<210> 3574

<211> 725

<212> DNA

<213> Homo sapiens

<400> 3574

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<210> 3575

<211> 710

<212> DNA

<213> Homo sapiens

<400> 3575

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<210> 3576

<211> 814

<212> DNA

<213> Homo sapiens

<400> 3576

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<210> 3577

<211> 743

<212> DNA

<213> Homo sapiens

<400> 3577

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<210> 3578

<211> 812

<212> DNA

<213> Homo sapiens

<400> 3578

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<210> 3579

<211> 725

<212> DNA

<213> Homo sapiens

<400> 3579

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<210> 3580

<211> 731

<212> DNA

<213> Homo sapiens

<400> 3580

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<210> 3581

<211> 875

<212> DNA

<213> Homo sapiens

<400> 3581

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<210> 3582

<211> 816

<212> DNA

<213> Homo sapiens

<400> 3582

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<211> 713

<212> DNA

<213> Homo sapiens

<400> 3583

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<210> 3584

<211> 666

<212> DNA

<213> Homo sapiens

<400> 3584

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<210> 3585

<211> 781

<212> DNA

<213> Homo sapiens

<400> 3585

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ttccgacctt gggcttgcgg atttcangta cttccacttg ggcattttct cttcatggac  720
ccttatagca accaaaaagt ggtttancaa aacaaccgga acattttttg ggatttaatn  780
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<210> 3586

<211> 489

<212> DNA

<213> Homo sapiens

<400> 3586

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tgtgaattgg gccagaagat cagagtgnaa tatngntaat actccaaagt atgctaaatt   60
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aagagaagaa tctgatgggtg aatatgatga gtinggacgt aaaacgaaaa aatacnagg 180
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 gaaatctaata agacgaagtc gctcanagtc tcatcttca cattcacnat cttcatcacg 420
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<210> 3587

<211> 819

<212> DNA

<213> Homo sapiens

<400> 3587

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 ggagatctac catggcttca ccaagcgc atgaatcaca aggcgtcgcc ttaaccctga 720
 tgggccgaac tgtgcgcacc gaggacaaga tccttgaca tagtcattaa gcgttggtt 780
 gnaaggaang cacccaagat caccttccc naagaaagg 819

<210> 3588

<211> 664

<212> DNA

<213> Homo sapiens

<400> 3588

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aaaaaatcac cccgatggcg gctgcgacgc gcggctgccg gccctggggc tcgtcctcg   60
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ccttggggcgc cttttgcgaa tgcgacttcc ggcccgaactt gccgggtctg gagtgtgacc  180
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ctttcctggg ctcctcctgg gtggtatacg ggaccaatta ccgcaaagcc atcttcatct  600
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aact                                             664
    
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<210> 3589

<211> 816

<212> DNA

<213> Homo sapiens

<400> 3589

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ctgggggactc ctaaattgtat ctatggctgg aatgatatat actgaaatga ctggaaaatt  180
gattagtcca tactacaatg tgacatactg gccctctgg tatattgagc ttgcccttgc  240
    
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atctctcttc agccttaatg ccttatttga tttttggaga tatttcaa atactgtggc 300
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 atcatcta atgagtcaaaac ttatcantga gcaaactgag agttgatttg cccagaacac 720
 ccatttaaaa acccggaat tgaacatnat atcttaaaca caacatctta aaatggaaag 780
 agaaaaaatt tgcnttttcc ggagatacca acntta 816

<210> 3590

<211> 828

<212> DNA

<213> Homo sapiens

<400> 3590

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 tagaatcttc tagtaaaaaa tatctgccac catttttagat ttaagcattt gcctatgggg 180
 agacactgaa tatgtggatg tgtgtattaa tatttggggg ggggacaggg aagggaatgt 240
 ggaaaacaaa tgctggctgt gagcagtgt gagatggcca ggccaggcgg ctgagtttgc 300
 ttggaaattc aggacattct gactcctaag agttgcccc acccaccatc aaactgaaat 360
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 aaaatgaaag caacagtgtt ttgataaaga tgaaaaagaa aagctactaa attagtaaat 540
 cagtggttac gtgccctgca gaatttctta acagatgggtg ctgagtgcac gagttacata 600
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ctactatggc ttgnagatit tcaaaagata gaagtctagg caaaactgtc cagttcatta 780
aaagttggta ggatagtatn tctaaaatca gagatttggc ccctcctt 828

<210> 3591

<211> 769

<212> DNA

<213> Homo sapiens

<400> 3591

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cttgaattg ctactgttaa aaggctgcgg ttcatttctg atttcctcat cttttgctac 120
aaaggaaaaa gaaatccaat gatgtgtcta cttttgttga gaagaaaaca cgagcaacag 180
cagtgtagtt tcgaaagtca ttgtgcagag agggcaggag tgaattaagg ccccggggac 240
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tggaatatct tcagtgcctg aaagtgagga agtgctccca aaaatatgaa ggctgttcaa 480
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ggctgccagc cacttagcct ccagggtgtt gtgtctaagg ccaactctct ttcagacta 660
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<210> 3592

<211> 789

<212> DNA

<213> Homo sapiens

<400> 3592

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 agcgacaggc cgctgcaatt gccaaaagtg ctaggtggcg acagtgtat gagggccttc 180
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 cagaatcaag atgcagtggc cactgaactt ggtatcttgg gaatggaggc cactattgac 480
 agaagcagac aatccgagac ctacaattat ttgcttgcca agaaacttag gaaggaatct 540
 caagagcata caaaagatct agacaaggaa ctagatgaat atatgcatgg tggcaaaaaa 600
 atgggatcaa aggaagagga aaatgggcaa ggtcatctca aaaggaaacg acctgtcaaa 660
 gacaggctag ggaacagacc agaaatgaac tataaaggctc gatacgagat cacagcggaa 720
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 tancccgat 789

<210> 3593

<211> 719

<212> DNA

<213> Homo sapiens

<400> 3593

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 gtattaaaac ttttaataaat ttaatttatt ttttcttttg aatataaata actgagctta 180
 agcattatca tcatatcgat ttcttatgct gcctaaacct cttaatttta gtcgaaatat 240
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 cacggtctcg gcttaccgca acctccgcct cccgggttca ggcggttctc ctgcctcgga 360
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<210> 3594

<211> 841

<212> DNA

<213> Homo sapiens

<400> 3594

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g 841

<210> 3595

<211> 826

<212> DNA

<213> Homo sapiens

<400> 3595

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ctctcctgat ctggcctcat ctgttccagg gaggtgggat tgaaacatat gcagtaatgt   180
cacctcaaaa gagagttaag aacgtccagg caaaaacag gacttcacaa ggtagtagta   240
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aagaagatgc ttgcaaatg gcagtgggat attttgagaa aggtcccatt aaagcttcac   420
agaataaaga taaaaccttg gaaaaacact tgaaaactgt ggaaaatgtg gcttggaga   480
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tactttttta tcgntggctg gntgcaatgt ttgacttcat tgatcgtaag gagcaaatta   720
acttgctcta tggcttcttt tttgcttcat tgcaggatga tgcactgngc ctttatgttt   780
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<210> 3596

<211> 781

<212> DNA

<213> Homo sapiens

<400> 3596

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cttatcacgg gcgcggcgcg cctctccgtg tggagcttcc cacctgcatg taccggctct   180
ctaactgca aggcaggagc ggcgggcccag cgccggcggt tggccaccta cagtctttgg   240

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<210> 3597

<211> 759

<212> DNA

<213> Homo sapiens

<400> 3597

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acagcaacta caacaacagc agcagtagca ccaccnccac gccagcagc cagctgcagc 720

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759

<210> 3598

<211> 357

<212> DNA

<213> Homo sapiens

<400> 3598

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<210> 3599

<211> 659

<212> DNA

<213> Homo sapiens

<400> 3599

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<210> 3600

<211> 778

<212> DNA

<213> Homo sapiens

<400> 3600

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tgcaactggt ctggatagat agcttacagc agtagtgggc tctggaatgc ccaaagggaa 720
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<210> 3601

<211> 767

<212> DNA

<213> Homo sapiens

<400> 3601

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<210> 3602

<211> 714

<212> DNA

<213> Homo sapiens

<400> 3602

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ccttcaactt gtgccttctt ggaatggatc tttaaaacag cttttgacag acacagatgt 540
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 aaatccattg ggtcagtatt cagacattta aggttacaat atattatcag tgatctggct 660
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<210> 3603

<211> 712

<212> DNA

<213> Homo sapiens

<400> 3603

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 aggctacat gcaagtctga accgggctct acgcaccttc ctctctgctg agttaaacct 180
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 caagtccacg gtctctgaaa ccttcatgag caagcccagc attgctaaga ggagagccaa 600
 ccagcaagag acagagcagt tttatttcac aaaaatgaaa gagtcctgga nggcaggaac 660
 cttatnacca agttacaagc caagcatgac ctttttgc an aaaaacctgg ga 712

<210> 3604

<211> 732

<212> DNA

<213> Homo sapiens

<400> 3604

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aaaaaaaaa agcgggtgct gcttgctgca ggctctgggg agtcgccatg cctacaacac   60
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tccagtcatt ccaaataaag agatgcctgg acaaaaacaa gcttatggat gctctaaaac  180
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tcaactttgc agaaatgaac aagctctggg tgccaatgca gcatcagggg acatagccccg  660
agatngagaa aaangagaac gaagaaagac aaggaactgg agaaattttt agtggggaaa  720
caaaattttg gn                                     732

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<210> 3605

<211> 744

<212> DNA

<213> Homo sapiens

<400> 3605

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ctacggaatg gacgccttca tgctgggcat cggcatgctg gggtaccag gtttccaagc  180
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 aggggacggt ggcaggagcg ccccaacctg caactgactg aggaccacga gtgagccaac 660
 gagggggcgg gagacctnac cgagccgnc gcccttcctt gcaacgactt ggacccgnta 720
 ctgctgcccc acttcccggc ccgg 744

<210> 3606

<211> 833

<212> DNA

<213> Homo sapiens

<400> 3606

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 gacttcaggc ggatctcgtg gcggagccca tcttgctccc tctcccaggc ctttaccgcg 240
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 ttaaaagtgt ggaaaattaa tgccagtttt aaaaagaaaa aagcaagcgc aaaaagatna 780
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<210> 3607

<211> 823

<212> DNA

<213> Homo sapiens

<400> 3607

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acagtggctg aactaatttg catttccatc agtgtaggcg cattctacac tgcactggct  120
tctacagtgt tgaagcattc cgtttttccc acagcctcac cagcatctgt tatttttttg  180
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ttggacatta gacctttttc agatgcccag tttgggaata tctctccatc tgtaggtgct  780
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<210> 3608

<211> 737

<212> DNA

<213> Homo sapiens

<400> 3608

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aaaaaatgca gacgggatag ggggtgtgtg gtgaggggag ggggcctgta tggcaactgc   60
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tgtctggcct acttccagga ctctgaagaa acagttacaa gcaggatgct tttcccaacc  180
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 ccagagaccc tttaaagatg ggggtagggg ctcggaatgga ccaagagcaa gctgctcttg 660
 ctgcagtcac ttccttccca accagtgtt caaagagatg gccaggagct tctgtgtggn 720
 catnctggga cctcttn 737

<210> 3609

<211> 832

<212> DNA

<213> Homo sapiens

<400> 3609

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 caagcgacgc cccacctgcc ccgagctcac cttttcttt cgcgctggct gcagctgacc 180
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 ggggtggcagt acatgtgttg gacttcttca atcgatcaa cctcatctat ggcaccatct 660
 gtgagtcttg caccgagcgg acctgtcctg tgatgtcaag gggccccaaa tatgagtatc 720
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aaccttctta tggattggat tgaggttcan atcaacaacc agggaaatat tt 832

<210> 3610

<211> 836

<212> DNA

<213> Homo sapiens

<400> 3610

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 caagtatggc aagaccaata gtttgaattt aattatcaat gctatggtat actttctggt 180
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 caaaatccca atcaaaaaat tacatgagcc tgtcaagcag atcttttagtt ttccacttca 540
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 aatgggatat aataaattta gcattttcat cttacaagc aaaagagtta aaaaacaaaa 660
 caaacactac tccaagccaa atacattcta nctgggtaat tccagacttg tccaagtgg 720
 ttccccaacc tcttttncac tggtaatttc ttttcatgca ggcagaatat aggggtgcca 780
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<210> 3611

<211> 797

<212> DNA

<213> Homo sapiens

<400> 3611

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<210> 3612

<211> 686

<212> DNA

<213> Homo sapiens

<400> 3612

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gccggagaga caccocgtac tgggtacttct tgcagtgcaa acacctgatc aaggaaggga 540
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ccatggagag caactacacg gtgctgattg ggggctgcng gcgggttggc tacctgaaga 660
angncttcaa cctctacaac caagat 686

<210> 3613

<211> 792

<212> DNA

<213> Homo sapiens

<400> 3613

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caattgatca gaaaaatgat tcacagctgg taatagaagc ttataaatca nggtttgagc 720
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gcctttcaat tc 792

<210> 3614

<211> 715

<212> DNA

<213> Homo sapiens

<400> 3614

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<210> 3615

<211> 733

<212> DNA

<213> Homo sapiens

<400> 3615

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<210> 3616

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3616

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 gaatgtcagc ttgcttctgt cttgcaaaga ttgcaaattc aatggtgagc acatggacag 180
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<210> 3617

<211> 712

<212> DNA

<213> Homo sapiens

<400> 3617

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caacagcttc gtgcctggga ggctgaaaaa tacaatgaga ttcgaacca ggaacaaaac  180
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caagagagta tcattcagca gttacagacg tctcttcatg ataggaacaa agaagtggag  660
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<210> 3618

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3618

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gcttgcgctt tcttgtaaac tggagcgaga attccgttgt gtggaacttg ctgatcta at  180
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<210> 3619

<211> 628

<212> DNA

<213> Homo sapiens

<400> 3619

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<210> 3620

<211> 668

<212> DNA

<213> Homo sapiens

<400> 3620

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<210> 3621

<211> 629

<212> DNA

<213> Homo sapiens

<400> 3621

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atggggcatg gaggagaagg cggcggccag cgccagctgc cgggagccgc cgggcccccc  180
gagggccgcc gccgtcgcgt acttcggcat ttccgtggac ccggacgaca tccttcccgg  240
    
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ggccctgcgc ctcattccagg agctgcggcc gcatttgaaa cccgagcaag ttcggacca 300
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 tgaggtcaga aacttccagc tgctgcgagc acacagctgt gccccaaac tctactgcac 480
 cttccagaat gggctgtgct atgagtacat gcagggtgtg gccctggagc ctgagcacat 540
 ccgtgagccc cggtttttca ggttaatcgc cttanaaatg gcaaagattc atactatcca 600
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<210> 3622

<211> 700

<212> DNA

<213> Homo sapiens

<400> 3622

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 gtgctgcaca cctgggtttc cttgcctaga gctgtgtgtt cggggtcctt tgggtccagtc 180
 ggaggctgcg gagcggcggg ggttgcctgc gctgtccgcc cgggcatcct cccggtgatg 240
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 gtgggaaaat tcgccgcacg gaggccgaaa gcgagagggg ctgcgccgt atgccgggag 360
 ctgagtccca tataagccgc ccccagccat cggccccagc cggcttcgtt cccctgagcg 420
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 agggcgcccc ctgcccggaa actgcccagg gataagtcgg ccgacttccc agaccctcg 600
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<210> 3623

<211> 848

<212> DNA

<213> Homo sapiens

<400> 3623

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cagcagcagc agcagcagcc ctccgccgtt cgggagcgca gccgagccgg ccatggcggt   180
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agcagacctg cagaacttgg ctcccgggac ccaccacca tttataactt tcaacagtga   420
agtcaaaacg gatgtaaata agattgagga atttcttgaa gaagtcttat gccctcccaa   480
gtacttaaag ctttcaccaa aacaccaga atcaaatact gctggaatgg acatctttgc   540
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tgatgaaaat agtatggagg acataaagtt ttctacacgt aaatttctgg atggcaatga   720
aatgacatta gctgattgca acctgctgcc aaactgnata ttgtcnaggt ggtggncaaa   780
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<210> 3624

<211> 479

<212> DNA

<213> Homo sapiens

<400> 3624

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ggtttatcct aaattactca accccttgta gccttgacaa attttacctt aaaaccaaen   60
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ttgtcatttg gagtcagtgg aaaatccagc acaccaagca ccagtcttct tctgaggcaa 240
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agtcttttagc tgtttagcaaa cctgttagtt ttacttctgc nttgaaccag cctcagaagc 420
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<210> 3625

<211> 750

<212> DNA

<213> Homo sapiens

<400> 3625

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ttttctagtc atcatatcac acacctttac gacagctcac tgaaggaagg tgatactgtt 180
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cgattctcct gcttcagctt tccaagtatt tgggaccaca ggcgccacca caggcctggc 720
taatggtttt ggtttgnttt tgggtananac 750

<210> 3626

<211> 879

<212> DNA

<213> Homo sapiens

<400> 3626

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ggaggaggct gctggttcca gtgaatggcg ctgacccac tgagatcaac accttgctgg 300
aggcctcaaa cactgaaaga aagacatgca aaggaaataa ttcaggacca actggtgggc 360
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attngtatt aagggtagtt ttangatgtc attttttttt cagttcatca tgacagaagt 720
cctttttatg aganaaagtc ccatgagaaa aaaactttct tatattggga agctncttct 780
aataggggga tgggccatth aatggccttc cacttaagat gggggtaata nccccggggg 840
gttggcttta aagtttttta actttaaatc ngggttaan 879

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<210> 3627

<211> 703

<212> DNA

<213> Homo sapiens

<400> 3627

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gatctgtctt tcgccgaggg gaccgcagcc tacgcgcgcg gggactggcc cggggtggtc 180
ctgagcatgg aacgggcgct gcgctcccg gcagccctcc gcgcccttcg cctgcgctgc 240

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cgacccaggt gtgccgncga cttcccgtgg gagctggacc ccgactggtc cccagccccg 300
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 gacttcaagg atcttgagac tcaaccccat atgccaagaa tttcgactgg gagtgcgact 660
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<210> 3628

<211> 720

<212> DNA

<213> Homo sapiens

<400> 3628

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 agtccctatt tatttgaaat ctttaatagt gatagtgatc ctcatggaat ttctcacgtt 180
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 ttatatacaa aggtaatcaa ctgggtgcag ccgtagcatc tgggagaatg gagacaatct 600
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<210> 3629

<211> 847

<212> DNA

<213> Homo sapiens

<400> 3629

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aggagaagct gatgaagagc tagttgatga tggagaagat cagaatgac cctctcgatg   60
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aggatgctgc atttggacct aatatgaatc gacaatttgg attgttgaac ttgaaggctt  180
gcaaaatatg gtacatgctg gatagtagtt atgttgctgt gaaaactgta ggggtcaaagc  240
cttatagcaa aaaaaatttt tttttatatt tgcacaggac tatacagcaa acaacctatg  300
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ccaatcactc tgtccatcaa accactcagg ctagtttgta ctagtagagt tttgttttcta  540
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tcccatgggt tctattttct tgtatttttc catttaattt gcttcataac ttaaaccaag  660
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tggacttttt gacatgaatt ttactacttc acaaatgaag aatgatgnta tgaagtaccg  780
tggcgaagtt gacaatccct aaaatgatat gattaaaagt acttcttctg tgtctatcgg  840
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<210> 3630

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3630

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cctctccagc ccgtgcaaga ataacgggac atgcacccag gaccctgtgg agctgtaccg 180
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 cccccagggc ttcantggac ctttctgtga acacccccca cccatgggtcc tactgnagac 720
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<210> 3631

<211> 834

<212> DNA

<213> Homo sapiens

<400> 3631

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 tggatgcagc ctttgataaa atacagcagc taaaattctc tcagattgtg aatttgaaag 660

gtaaaggaca tggcctgtct atcacacctc tgccagctgg tcatatgata ggtgggaaca 720
 atatggaaaa tagtcaaaga tggagaagaa gaaattgggt atgcagttga ctttaaccnc 780
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<210> 3632

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3632

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 gattgggtcca attttaaaga ggaaattacc aggatcagat gtttctggaa gactcatggg 720
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<210> 3633

<211> 780

<212> DNA

<213> Homo sapiens

<400> 3633

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<210> 3634

<211> 765

<212> DNA

<213> Homo sapiens

<400> 3634

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 aagagtcctc cattttttgc accccctcac cgccaactct gttattcagt agagagaagt 480

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<210> 3635

<211> 782

<212> DNA

<213> Homo sapiens

<400> 3635

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<210> 3636

<211> 888

<212> DNA

<213> Homo sapiens

<400> 3636

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<210> 3637

<211> 676

<212> DNA

<213> Homo sapiens

<400> 3637

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aagtcgcctt gaagaaattg cagaacttgt ggcacatctt ttacctcac ctcttcgtcg  180

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<210> 3638

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3638

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ggtaat

786

<210> 3639

<211> 827

<212> DNA

<213> Homo sapiens

<400> 3639

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<210> 3640

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3640

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<210> 3641

<211> 751

<212> DNA

<213> Homo sapiens

<400> 3641

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 agctctggcc tagaggggca ggatgtagca gcatctggga ggggtaggtg gaggagcttc 660
 gccaaaggcat cctttcctca ggaggcaatg tgcanttca gctcaggtag ctggaagcan 720
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<210> 3642

<211> 865

<212> DNA

<213> Homo sapiens

<400> 3642

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<210> 3643

<211> 818

<212> DNA

<213> Homo sapiens

<400> 3643

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<210> 3644

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3644

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<210> 3645

<211> 872

<212> DNA

<213> Homo sapiens

<400> 3645

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<210> 3646

<211> 523

<212> DNA

<213> Homo sapiens

<400> 3646

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<210> 3647

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3647

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aaccgaatcc ggattctcat tgagaatgga gtagctgagc ggcaaagatc tctccttggt 180

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<210> 3648

<211> 861

<212> DNA

<213> Homo sapiens

<400> 3648

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<210> 3649

<211> 830

<212> DNA

<213> Homo sapiens

<400> 3649

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<210> 3650

<211> 689

<212> DNA

<213> Homo sapiens

<400> 3650

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<210> 3651

<211> 737

<212> DNA

<213> Homo sapiens

<400> 3651

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<210> 3652

<211> 733

<212> DNA

<213> Homo sapiens

<400> 3652

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<210> 3653

<211> 654

<212> DNA

<213> Homo sapiens

<400> 3653

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ggagccgcgg acagagacgc gtgcgcaatt cggagccgac tctgggtgcg gactgtggga   180
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tggatcanga gtcagtgtgt gtggccacag cctctggaga cgtcatactc tgcagnctna   600
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<210> 3654

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3654

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tgatcctgga agtaactgca ggagttggag gtcangaggc aatgttgttt acatcagaga   420
tatttgatat gtatcagcaa tatgtgcat ttaaaagatg gcattttgaa accctggaat   480

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at t t t c c a a g t g a a c t a n g t g g c c t t a g a c a t g c a t c t g c c a g c a t t g g g g g t t c a g a a g 540
c c t a t a g g c a c a t g a a a t t t g a a g g a g g t g t t c a c a g a g t a c a a a g a g t g c c a a a g a c a g 600
a n a a g c a n g g c c g c g t c c a t a c t a g c a c c a t g a c t g t a g c a n t a t t a c c c c a g c c t a c t g 660
a g a t t a a t c t g g t g a t t a a t c c g a a a g a t t t g a g a a t t g a c a c t a a g c g a g c c a g t g g a c 720
t g g g g g g g c a g c a t g t a a a t c c a c g g a c a g t g c t t g t c c g g a t g g t c a t c t t t c a a c a g g 780
n g t g g t t c t g a a t g c a a c a a g a g a t c t c a c t t a a a a t a a g a c t t g c t t t g a c a a n g t 840
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<210> 3655

<211> 782

<212> DNA

<213> Homo sapiens

<400> 3655

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c t c c g a g t c g c c c c t g c g g a c t g g t c t c g c a c a g t g c c t g g g a c c g g g c g c c a g a c a g a 120
c a c t g g c c a t g a c g a g c g g c g c a a c c a g g t a c c g g c t g a g c t g c t c g t c c g g g c c a c g 180
a g c t g g a c g t a c g g g g c c t g g t g t c t g c g c c t a t c c g c c g g g a g c c t t t g t g t c c g t g t 240
c c c g a g a c c g c a c c a c c c g c c t c t g g g c c c c a g a c a g t c c a a a c a g g a g c t t t a c a g a a a 300
t g c a c t g t a t g a g t g g c c a t t c c a a t t t t g t a t c t t g t g t a t g c a t c a t a c c c t c a a g t g 360
a c a t c t a c c c t c a t g g c c t a a t t g c c a c c g g t g g a a a t g a c c a c a a t a t a t g c a t t t t c t 420
c a c t g g a c a g t c c a a t g c c a c t t t a t a t t c t a a a a g g c c a c a a a a t a c t g t t t g t a g t c 480
t a t c a t c t g g a a a t t t g g g a c a t t a c t t a g t g g t t c a t g g g a c c a c t g c t a a a g t c t 540
g g c t g a a t g a c a a g t g c a t g a t g a c c t t g c a g g g t c a t a c a a g c t g c a g t g t g g g c g g t a 600
a a g a t c t t a c c t g a a c a g g g c t t a a t g t t g a c t g g a t c a n c a g g c a a g a c t g t t a a a c t g 660
t g g a a g g c t g g a a g a t g t g a g a g g a c t t t t t c a g g g c a t g a a g a c t g t g t a a g a g t t t 720
g g c a a t t t t g a g t g a a c a a g a a t t t c t t t c c t g n g c c a a a t g a a n g c t t a g t a t t t a a n 780
a a 782

<210> 3656

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3656

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aacagcacag ctaacttggg ggatcctgag gtgggtgatg ctgaaagcat ggcgatctca  180
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<210> 3657

<211> 870

<212> DNA

<213> Homo sapiens

<400> 3657

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agacttctct caggaggagt gggaatgcct gaatgatgat cagagagatt tatacagaga  180

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<210> 3658

<211> 784

<212> DNA

<213> Homo sapiens

<400> 3658

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<210> 3659

<211> 764

<212> DNA

<213> Homo sapiens

<400> 3659

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<210> 3660

<211> 788

<212> DNA

<213> Homo sapiens

<400> 3660

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gattacaggt gccaccacc acaccgcta attttgnatt tttagtagcc atgtggtttg 720
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<210> 3661

<211> 738

<212> DNA

<213> Homo sapiens

<400> 3661

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<210> 3662

<211> 866

<212> DNA

<213> Homo sapiens

<400> 3662

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<210> 3663

<211> 816

<212> DNA

<213> Homo sapiens

<400> 3663

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<210> 3664

<211> 874

<212> DNA

<213> Homo sapiens

<400> 3664

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<210> 3665

<211> 801

<212> DNA

<213> Homo sapiens

<400> 3665

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<210> 3666

<211> 750

<212> DNA

<213> Homo sapiens

<400> 3666

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<210> 3667

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3667

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<210> 3668

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3668

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<210> 3669

<211> 865

<212> DNA

<213> Homo sapiens

<400> 3669

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<210> 3670

<211> 852

<212> DNA

<213> Homo sapiens

<400> 3670

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<210> 3671

<211> 880

<212> DNA

<213> Homo sapiens

<400> 3671

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<210> 3672

<211> 845

<212> DNA

<213> Homo sapiens

<400> 3672

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<210> 3673

<211> 835

<212> DNA

<213> Homo sapiens

<400> 3673

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<210> 3674

<211> 882

<212> DNA

<213> Homo sapiens

<400> 3674

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<210> 3675

<211> 885

<212> DNA

<213> Homo sapiens

<400> 3675

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<210> 3676

<211> 886

<212> DNA

<213> Homo sapiens

<400> 3676

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<210> 3677

<211> 844

<212> DNA

<213> Homo sapiens

<400> 3677

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<210> 3678

<211> 811

<212> DNA

<213> Homo sapiens

<400> 3678

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<210> 3679

<211> 702

<212> DNA

<213> Homo sapiens

<400> 3679

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<210> 3680

<211> 826

<212> DNA

<213> Homo sapiens

<400> 3680

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<210> 3681

<211> 824

<212> DNA

<213> Homo sapiens

<400> 3681

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824

<210> 3682

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3682

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<210> 3683

<211> 822

<212> DNA

<213> Homo sapiens

<400> 3683

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<210> 3684

<211> 691

<212> DNA

<213> Homo sapiens

<400> 3684

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 gattggcang tccaactgta atgaatgcag naccattttc tctctacgac gtggttttct 660
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<210> 3685

<211> 821

<212> DNA

<213> Homo sapiens

<400> 3685

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<210> 3686

<211> 817

<212> DNA

<213> Homo sapiens

<400> 3686

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<210> 3687

<211> 800

<212> DNA

<213> Homo sapiens

<400> 3687

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<210> 3688

<211> 816

<212> DNA

<213> Homo sapiens

<400> 3688

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816

<210> 3689

<211> 766

<212> DNA

<213> Homo sapiens

<400> 3689

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<210> 3690

<211> 598

<212> DNA

<213> Homo sapiens

<400> 3690

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<210> 3691

<211> 816

<212> DNA

<213> Homo sapiens

<400> 3691

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816

<210> 3692

<211> 912

<212> DNA

<213> Homo sapiens

<400> 3692

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<210> 3693

<211> 845

<212> DNA

<213> Homo sapiens

<400> 3693

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<210> 3694

<211> 928

<212> DNA

<213> Homo sapiens

<400> 3694

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<210> 3695

<211> 877

<212> DNA

<213> Homo sapiens

<400> 3695

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<210> 3696

<211> 887

<212> DNA

<213> Homo sapiens

<400> 3696

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<210> 3697

<211> 754

<212> DNA

<213> Homo sapiens

<400> 3697

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<210> 3698

<211> 822

<212> DNA

<213> Homo sapiens

<400> 3698

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<210> 3699

<211> 929

<212> DNA

<213> Homo sapiens

<400> 3699

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<210> 3701

<211> 914

<212> DNA

<213> Homo sapiens

<400> 3701

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<211> 894

<212> DNA

<213> Homo sapiens

<400> 3702

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<210> 3703

<211> 789

<212> DNA

<213> Homo sapiens

<400> 3703

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<210> 3704

<211> 891

<212> DNA

<213> Homo sapiens

<400> 3704

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<210> 3705

<211> 879

<212> DNA

<213> Homo sapiens

<400> 3705

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<211> 864

<212> DNA

<213> Homo sapiens

<400> 3706

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<211> 845

<212> DNA

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<211> 883

<212> DNA

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<211> 848

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 3710

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<210> 3711

<211> 827

<212> DNA

<213> Homo sapiens

<400> 3711

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<210> 3712

<211> 700

<212> DNA

<213> Homo sapiens

<400> 3712

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<211> 857

<212> DNA

<213> Homo sapiens

<400> 3713

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<210> 3714

<211> 745

<212> DNA

<213> Homo sapiens

<400> 3714

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cagtggactg ctgccggaca tggaactgga atcctcgaaa tcaccctctt aaatgaancg 180
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<210> 3715

<211> 907

<212> DNA

<213> Homo sapiens

<400> 3715

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<210> 3716

<211> 864

<212> DNA

<213> Homo sapiens

<400> 3716

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<210> 3717

<211> 877

<212> DNA

<213> Homo sapiens

<400> 3717

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<210> 3718

<211> 950

<212> DNA

<213> Homo sapiens

<400> 3718

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<210> 3719

<211> 810

<212> DNA

<213> Homo sapiens

<400> 3719

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<210> 3720

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3720

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<210> 3721

<211> 743

<212> DNA

<213> Homo sapiens

<400> 3721

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<210> 3722

<211> 833

<212> DNA

<213> Homo sapiens

<400> 3722

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<210> 3723

<211> 843

<212> DNA

<213> Homo sapiens

<400> 3723

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cca

843

<210> 3724

<211> 899

<212> DNA

<213> Homo sapiens

<400> 3724

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<210> 3725

<211> 847

<212> DNA

<213> Homo sapiens

<400> 3725

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<210> 3726

<211> 825

<212> DNA

<213> Homo sapiens

<400> 3726

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<210> 3727

<211> 892

<212> DNA

<213> Homo sapiens

<400> 3727

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892

<210> 3728

<211> 820

<212> DNA

<213> Homo sapiens

<400> 3728

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<210> 3729

<211> 870

<212> DNA

<213> Homo sapiens

<400> 3729

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<210> 3730

<211> 806

<212> DNA

<213> Homo sapiens

<400> 3730

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<210> 3731

<211> 754

<212> DNA

<213> Homo sapiens

<400> 3731

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<210> 3732

<211> 839

<212> DNA

<213> Homo sapiens

<400> 3732

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<210> 3733

<211> 773

<212> DNA

<213> Homo sapiens

<400> 3733

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tgcctgcggg acggcccacc tggctgtgga cgggccagcc cgacctcaca ctgcctccca    180

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<210> 3734

<211> 808

<212> DNA

<213> Homo sapiens

<400> 3734

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<210> 3735

<211> 701

<212> DNA

<213> Homo sapiens

<400> 3735

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gcttaccag tancaacaag cnnctactga tgtaagccaa t 701

<210> 3736

<211> 876

<212> DNA

<213> Homo sapiens

<400> 3736

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<210> 3737

<211> 836

<212> DNA

<213> Homo sapiens

<400> 3737

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<210> 3738

<211> 877

<212> DNA

<213> Homo sapiens

<400> 3738

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<210> 3739

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3739

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<210> 3740

<211> 874

<212> DNA

<213> Homo sapiens

<400> 3740

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<210> 3741

<211> 931

<212> DNA

<213> Homo sapiens

<400> 3741

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<210> 3742

<211> 867

<212> DNA

<213> Homo sapiens

<400> 3742

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867

<210> 3743

<211> 848

<212> DNA

<213> Homo sapiens

<400> 3743

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<210> 3744

<211> 793

<212> DNA

<213> Homo sapiens

<400> 3744

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<210> 3745

<211> 590

<212> DNA

<213> Homo sapiens

<400> 3745

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<210> 3746

<211> 840

<212> DNA

<213> Homo sapiens

<400> 3746

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<210> 3747

<211> 806

<212> DNA

<213> Homo sapiens

<400> 3747

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<210> 3748

<211> 727

<212> DNA

<213> Homo sapiens

<400> 3748

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<210> 3749

<211> 798

<212> DNA

<213> Homo sapiens

<400> 3749

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<210> 3750

<211> 869

<212> DNA

<213> Homo sapiens

<400> 3750

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<210> 3751

<211> 803

<212> DNA

<213> Homo sapiens

<400> 3751

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<210> 3752

<211> 837

<212> DNA

<213> Homo sapiens

<400> 3752

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<210> 3753

<211> 778

<212> DNA

<213> Homo sapiens

<400> 3753

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<210> 3754

<211> 808

<212> DNA

<213> Homo sapiens

<400> 3754

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<210> 3755

<211> 797

<212> DNA

<213> Homo sapiens

<400> 3755

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<210> 3756

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3756

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<210> 3757

<211> 894

<212> DNA

<213> Homo sapiens

<400> 3757

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<210> 3758

<211> 736

<212> DNA

<213> Homo sapiens

<400> 3758

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<210> 3759

<211> 767

<212> DNA

<213> Homo sapiens

<400> 3759

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<211> 872

<212> DNA

<213> Homo sapiens

<400> 3760

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<210> 3761

<211> 826

<212> DNA

<213> Homo sapiens

<400> 3761

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<210> 3762

<211> 818

<212> DNA

<213> Homo sapiens

<400> 3762

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<210> 3763

<211> 839

<212> DNA

<213> Homo sapiens

<400> 3763

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<210> 3764

<211> 722

<212> DNA

<213> Homo sapiens

<400> 3764

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<210> 3765

<211> 746

<212> DNA

<213> Homo sapiens

<400> 3765

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<210> 3766

<211> 840

<212> DNA

<213> Homo sapiens

<400> 3766

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<210> 3767

<211> 811

<212> DNA

<213> Homo sapiens

<400> 3767

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<210> 3768

<211> 857

<212> DNA

<213> Homo sapiens

<400> 3768

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<210> 3769

<211> 873

<212> DNA

<213> Homo sapiens

<400> 3769

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<210> 3770

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3770

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<210> 3771

<211> 753

<212> DNA

<213> Homo sapiens

<400> 3771

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<210> 3772

<211> 821

<212> DNA

<213> Homo sapiens

<400> 3772

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<210> 3773

<211> 846

<212> DNA

<213> Homo sapiens

<400> 3773

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<210> 3774

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3774

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<210> 3775

<211> 871

<212> DNA

<213> Homo sapiens

<400> 3775

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<210> 3776

<211> 834

<212> DNA

<213> Homo sapiens

<400> 3776

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<210> 3777

<211> 846

<212> DNA

<213> Homo sapiens

<400> 3777

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<210> 3778

<211> 788

<212> DNA

<213> Homo sapiens

<400> 3778

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<210> 3779

<211> 813

<212> DNA

<213> Homo sapiens

<400> 3779

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<210> 3780

<211> 852

<212> DNA

<213> Homo sapiens

<400> 3780

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<210> 3781

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3781

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<210> 3782

<211> 876

<212> DNA

<213> Homo sapiens

<400> 3782

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<210> 3783

<211> 862

<212> DNA

<213> Homo sapiens

<400> 3783

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<210> 3784

<211> 845

<212> DNA

<213> Homo sapiens

<400> 3784

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<210> 3785

<211> 793

<212> DNA

<213> Homo sapiens

<400> 3785

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<210> 3786

<211> 664

<212> DNA

<213> Homo sapiens

<400> 3786

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<210> 3787

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3787

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<210> 3788

<211> 667

<212> DNA

<213> Homo sapiens

<400> 3788

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<210> 3789

<211> 749

<212> DNA

<213> Homo sapiens

<400> 3789

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<210> 3790

<211> 759

<212> DNA

<213> Homo sapiens

<400> 3790

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<210> 3791

<211> 778

<212> DNA

<213> Homo sapiens

<400> 3791

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<210> 3792

<211> 863

<212> DNA

<213> Homo sapiens

<400> 3792

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<210> 3793

<211> 709

<212> DNA

<213> Homo sapiens

<400> 3793

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<210> 3794

<211> 856

<212> DNA

<213> Homo sapiens

<400> 3794

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<210> 3795

<211> 869

<212> DNA

<213> Homo sapiens

<400> 3795

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<210> 3796

<211> 811

<212> DNA

<213> Homo sapiens

<400> 3796

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<210> 3797

<211> 805

<212> DNA

<213> Homo sapiens

<400> 3797

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<210> 3798

<211> 797

<212> DNA

<213> Homo sapiens

<400> 3798

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<210> 3799

<211> 692

<212> DNA

<213> Homo sapiens

<400> 3799

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<210> 3800

<211> 784

<212> DNA

<213> Homo sapiens

<400> 3800

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<210> 3801

<211> 740

<212> DNA

<213> Homo sapiens

<400> 3801

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aatggacttg ggaanaaaga 740

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<210> 3802

<211> 784

<212> DNA

<213> Homo sapiens

<400> 3802

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<210> 3803

<211> 806

<212> DNA

<213> Homo sapiens

<400> 3803

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<210> 3804

<211> 695

<212> DNA

<213> Homo sapiens

<400> 3804

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<210> 3805

<211> 745

<212> DNA

<213> Homo sapiens

<400> 3805

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<210> 3806

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3806

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<210> 3807

<211> 770

<212> DNA

<213> Homo sapiens

<400> 3807

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 tcagaaagtg ctttctctct gtggacatga ngattggatt anaggantgg aatgggcaac 660
 ctttggtaga gatcttttcc tagcaagctg ttcacaagat tgcctgataa gaatatggaa 720
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<210> 3808

<211> 692

<212> DNA

<213> Homo sapiens

<400> 3808

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gcaccgtggt caccattaag caggtgctca ccgcgccagg ctcggcgggg cagccccggt  180
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ccggcgaccg ccaggtcacc ctacagcacc tgcactgcct ggacctgcac aggatggagg  360
cgtggaaggc cttggtggag atggaccagc aaactcagga gtggctggag gagacggact  420
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<210> 3809

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3809

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aacctcgtgc tttctgcaga ggagaccgga gggcagaagg cagagtccag gcttagactg   60
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aggagcttcg tgttgtgggt ctgctaaccg gtacgtttcc gtgggcaagt cgtgtgtact  180
cctcgccatg gctcagctcc aaacacgctt ctacactgat aacaagaaat atgccgtaga  240
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taaactacta aaggacaaaa atgagttcca caaacatgtg gagtttgatt tccttattaa  360
gggccagttt ctgcgaatgc ccttggacaa acacatggaa atggagaacg tctcatcaga  420

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agaagttgtg gaaatagaat acgtggagaa gtatactgca cccagccag agcaatgcat 480
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<210> 3810

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3810

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cagcgggan

849

<210> 3811

<211> 793

<212> DNA

<213> Homo sapiens

<400> 3811

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cttgaacatg ggcggtgctg tgagtgtcgg tgaagacaat gaagagctga tagataattt 180
gaaagaagca cagtatatcc ggactgagct ggtagagcag gctttcagag ctatcgatcg 240
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gaatcttctc aaagtgggag ggatccttgt catgccactg gaagagaagt tgactaagat 720
aacacgcaca ggtccttcac ttgggaaacc naaaagattc tgctggttct tttgctnctc 780
tgatccancc ctg 793

<210> 3812

<211> 825

<212> DNA

<213> Homo sapiens

<400> 3812

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 gtggtaaatt agacaacact aacgaatata atagtaatga tggtaagaaa ttaccccagg 180
 gtgaatcacg aagttacgaa gtcattggga gtatggaaga aaccttatgc aatatagatg 240
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 ccagccaaaa atcttctatg aaagaattac tgaaagatgt actcccacaa aaggaagaaa 660
 taaatcaagg aggaagaaaa tatggaattc aagaaaaaag ggataaaacc ctaatagact 720
 caaagcatag agctggagaa atnaccagtg atggcttgag cttcctatct cttaaagaag 780
 taaaagttgc taagccngan gagatgaaaa cttagagact cagga 825

<210> 3813

<211> 743

<212> DNA

<213> Homo sapiens

<400> 3813

agcaaccatt gctagtaatt ctttaattgt tataaattca atttcaggta taacaaatgt 60
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 atgtaatatg tttttagccg atggatttaa acatgtagat tcaactagaa tccattttgt 180
 atatttgtaa ataaaggtag aaatattaga tccattttctg cagaacttac tgtacagttt 240
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 caaaaaaat aataataggg tggtcggttc cttttcatct ccctcttctg aaaggaaaaa 420
 attgaattgg aacgttcaag tccagtttgt gttcagtcac aaaactgggc cagttgttaa 480

ccttacagaa tgagtcatgt ggccagacct tcaagtccaa ggccttcaga cactaaggat 540
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 aaagctcttc cactagtTga atTTTcatgc ncatatTTTT tcttaaccgt tggTgccagt 660
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<210> 3814

<211> 812

<212> DNA

<213> Homo sapiens

<400> 3814

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 tcaatgtctt tggccgcaag ctccagggtta atggcagaaa cctcctttca gttgactttg 180
 atcgaacaac aaagacagaa aagatctatg acgaccaccg taaatttcta ctgaggatcg 240
 cctacgacac gtctgggcac ccgactctct ggctgccaag cagcaagctg atggccgtca 300
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<210> 3815

<211> 771

<212> DNA

<213> Homo sapiens

<400> 3815

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cgagtggcgg cgggagcctc gaaaagagat tctcagcgct gattttgaga tgatgggctt  180
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ccagtccagc cacaacttcc agctggagag cgtcaacaag ctgtaccagg acgaaaaggc  480
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ccagaccaac ctggagagga agttctccta cgacctgagc cagtgcata atcagatgaa  660
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<210> 3816

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3816

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gtgaaaggag ggaacgcagg tgagaaagcg agacaggcag gtagggaaat cgtgaggtga   60
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gcggacagct ggcagagaga gaagttggct agcatggaat caccagagga gcctggagca  180
tccatggatg agaactactt tgtgaactac actttcaaag atcggtcaca ttcaggccgt  240
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tcgggtggaag gccgggagtt tcagctccat cggtctgtcc tctcagctca gagctgcttc 360
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 gccaaagccc acctggccca gctgcagaat acagaggaat ttctncaatt gccccaccgc 720
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<210> 3817

<211> 823

<212> DNA

<213> Homo sapiens

<400> 3817

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 gtgggtaccc tctcctgacg cctccgccgc ccgggtcatg tggaccctcg tgggtcgggg 180
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 tgagggaatt caagcccaaa ctgtagcaaa cttctttctt gccttcgaag cacagctatc 720

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<210> 3818

<211> 879

<212> DNA

<213> Homo sapiens

<400> 3818

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gcttcagaat ccacttgagt tgcacagtca gtaaaatcct gctggaaccc agaagcagtc 840
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<210> 3819

<211> 735

<212> DNA

<213> Homo sapiens

<400> 3819

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tgccatattc atcacgttat tataaacttc tgaaagaaag agaagatctt cctatatgga 660
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agatgctaaa tgttg 735

<210> 3820

<211> 816

<212> DNA

<213> Homo sapiens

<400> 3820

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 cattttactg gagaattaag aatgagccat atcangtagt agaattgtgcc atgccagcac 780
 ttcacttctc tttcaggcnc aattaaaaga canttg 816

<210> 3821

<211> 887

<212> DNA

<213> Homo sapiens

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 aagaatctgg gaattgaaaa tatcatttat tttttaatgc caggaatacc canatgtggg 840
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<210> 3822

<211> 863

<212> DNA

<213> Homo sapiens

<400> 3822

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<210> 3823

<211> 835

<212> DNA

<213> Homo sapiens

<400> 3823

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<210> 3824

<211> 562

<212> DNA

<213> Homo sapiens

<400> 3824

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taaaacggnc acgactactt gagaatacgg aacgggtccga ggaaaccagt cgatctaaac 540
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<210> 3825

<211> 831

<212> DNA

<213> Homo sapiens

<400> 3825

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atttaacaca ccaattgcag aaaaaaatca agaaccctgc aaacatcctt tcaacctgct 780
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<210> 3826

<211> 539

<212> DNA

<213> Homo sapiens

<400> 3826

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 attacaaaga gacattttta caccaaatga tgaacgcctg ctgagcattg tgaatgtctg 180
 canagcagga aaaaagaaaa agaactgttt tttatgtgcc acagtgacaa ctgaacgccc 240
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 aaagaatgca tttatctcat gcatttgga attgaatcan cgatatctcc ggaagaaaaat 480
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<210> 3827

<211> 860

<212> DNA

<213> Homo sapiens

<400> 3827

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cacacccatg attcacgggt 860

<210> 3828

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3828

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<210> 3829

<211> 202

<212> DNA

<213> Homo sapiens

<400> 3829

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catgtagacc ccttgaagag gggaggggccc tagggagccg caccttgtca tgtaccatca  180
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<210> 3830

<211> 880

<212> DNA

<213> Homo sapiens

<400> 3830

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tttcgtgagg atatgccctc cattcttgct gatgtattct gcatattaga cattgagaca  300
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<210> 3831

<211> 824

<212> DNA

<213> Homo sapiens

<400> 3831

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ccttctacca ctgagtggaa aacagattgg aaaggatcng gcactgactt tgaccctgc 780
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<210> 3832

<211> 828

<212> DNA

<213> Homo sapiens

<400> 3832

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<210> 3833

<211> 797

<212> DNA

<213> Homo sapiens

<400> 3833

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 cgtcgggaac atggatgaga aatccaacaa gctgctgcta gcttttgtga tgctcttct 180
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<210> 3834

<211> 602

<212> DNA

<213> Homo sapiens

<400> 3834

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<210> 3835

<211> 869

<212> DNA

<213> Homo sapiens

<400> 3835

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<210> 3836

<211> 806

<212> DNA

<213> Homo sapiens

<400> 3836

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<210> 3837

<211> 870

<212> DNA

<213> Homo sapiens

<400> 3837

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870

<210> 3838

<211> 843

<212> DNA

<213> Homo sapiens

<400> 3838

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<210> 3839

<211> 794

<212> DNA

<213> Homo sapiens

<400> 3839

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<210> 3840

<211> 754

<212> DNA

<213> Homo sapiens

<400> 3840

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<210> 3841

<211> 794

<212> DNA

<213> Homo sapiens

<400> 3841

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 gaaggaaacg ttcaataagt gagtcatgag gtttggaat tcgttcccct gacagtcata 720
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<210> 3842

<211> 766

<212> DNA

<213> Homo sapiens

<400> 3842

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gcattccttc ggcccgtagg ctgatctggg gcgggaagta ttagcgtctc agttgcgctg  180
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tccagtctac tgtaaagtgt ttaactgttc ttacagagact anatgtttgg ctttctggtg  720
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<210> 3843

<211> 811

<212> DNA

<213> Homo sapiens

<400> 3843

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gaggagatgc tgcagctcag ccagcagctg gatgcctctg agcagcacia agccctgctt  180
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<210> 3844

<211> 594

<212> DNA

<213> Homo sapiens

<400> 3844

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<210> 3845

<211> 528

<212> DNA

<213> Homo sapiens

<400> 3845

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tggaatctca ccactgaaaa aaagcacacc cttttaagac tactttatga ggcacttgtg  180
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gtagatacta aaattcaagg ttgatattg gaagaactgt ggattgaata tgaagtagct  480
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<210> 3846

<211> 672

<212> DNA

<213> Homo sapiens

<400> 3846

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caaaggcacg ggctgtgaat tcgagctatg ggactgtggt ggcgatgcta agtttgagtc  360
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cccaagccac cggaaggaaa tggagatgtg gtattcctgc tttgtccaac agccgtcctt  480

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acaggacaca cagtgtatgc taattgcaca ccacaaacca agctctggag atgataaagg 540
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<210> 3847

<211> 636

<212> DNA

<213> Homo sapiens

<400> 3847

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aagcctttcc agatcattcn acatcacgat cacaca 636

<210> 3848

<211> 838

<212> DNA

<213> Homo sapiens

<400> 3848

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 aaaagaactc taatagtaaa ggaaaggga atattggtgg tatgtacca caaaaccccc 240
 aagtgccaa g ttaatggaat ctctgctttc cctttcagat gctagaaagc cactgtaatg 300
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 tccgtantct gtcaaatgca tttttttcca acaactgacc atggatgttg tgaaggngca 720
 ttttaattta aacatgggaa aagatttttt canaattaca tactaagaat gtaaaattaa 780
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<210> 3849

<211> 716

<212> DNA

<213> Homo sapiens

<400> 3849

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 agaagacggg cactaaccag gctgtatctg gacaaggcca ccttaatatg gaatggaaat 420
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<210> 3850

<211> 588

<212> DNA

<213> Homo sapiens

<400> 3850

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<210> 3851

<211> 850

<212> DNA

<213> Homo sapiens

<400> 3851

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<210> 3852

<211> 627

<212> DNA

<213> Homo sapiens

<400> 3852

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<210> 3853

<211> 772

<212> DNA

<213> Homo sapiens

<400> 3853

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 tttatataag tatagtatat atttatttag cagaataaat gtttatgggt gaaaatggct 180
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<210> 3854

<211> 729

<212> DNA

<213> Homo sapiens

<400> 3854

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<210> 3855

<211> 277

<212> DNA

<213> Homo sapiens

<400> 3855

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<210> 3856

<211> 712

<212> DNA

<213> Homo sapiens

<400> 3856

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cagtcaaact aagcaggtac tcaagccaag tactcctttc nnaacccaaa tccaangttt 660
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<210> 3857

<211> 721

<212> DNA

<213> Homo sapiens

<400> 3857

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 n 721

<210> 3858

<211> 746

<212> DNA

<213> Homo sapiens

<400> 3858

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 ctggcagagt atctattgac aagaaaacat tgtggagtcc tgagacaatt gaaaataagc 660
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<210> 3859

<211> 767

<212> DNA

<213> Homo sapiens

<400> 3859

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gttcaatggc atcactgana aggaatataa gacttacaag gagaactttc tgaagcgctt 720
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<210> 3860

<211> 782

<212> DNA

<213> Homo sapiens

<400> 3860

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<210> 3861

<211> 810

<212> DNA

<213> Homo sapiens

<400> 3861

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 catccttgaa caccacgtg ccttcaacta gtgcctggtc atccattcgt gcctccaact 480
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 cctttgccac ctaaaaacat cactgctccg tcccgccac ctccgggact gactgggtca 660
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aattctgacg ccagatatac cccaagttcc agctggggtg agaagcagct caaggagaat 780
aacaaattgg gcttggttcc naaaaannag 810

<210> 3862

<211> 706

<212> DNA

<213> Homo sapiens

<400> 3862

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gaacggttta atcccatga tattcgcttg atattaagtg atgatgtctt gatggaaaaa 180
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cgctcttcat ccattagtta tagtcaagag tctggagcag cagctgatga tataaagcca 480
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<210> 3863

<211> 719

<212> DNA

<213> Homo sapiens

<400> 3863

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<210> 3864

<211> 805

<212> DNA

<213> Homo sapiens

<400> 3864

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<210> 3865

<211> 781

<212> DNA

<213> Homo sapiens

<400> 3865

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<210> 3866

<211> 674

<212> DNA

<213> Homo sapiens

<400> 3866

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 ctaacacgtg cctcgtaaag gtccccaatg taatgactga gcagaaaatc aatcactttc 660
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<210> 3867

<211> 670

<212> DNA

<213> Homo sapiens

<400> 3867

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 cgggggaggc ggccaccagc ccggcggagg agacagtggg gtggagcccc gaggtggagg 180
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acaatggggc tgacgatgtt ttttcatctt caggggaagtt tggggaaagc atcagaaaat 540
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ggaagcgcaa ccgggggtcac cnacaaagtc ctgaccgcaa acagcaaccc ttcaattcca 660
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<210> 3868

<211> 711

<212> DNA

<213> Homo sapiens

<400> 3868

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ctactaaaaa aatacaanat taaccagggg tgatggcaca ttcctgtaat cccagctact 660
cgggaagccg aggcaagaga atcgcttgaa cccggggaag gaaaaggntn a 711

<210> 3869

<211> 711

<212> DNA

<213> Homo sapiens

<400> 3869

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 ctggctcaca cgctgccctt cggccgcggc gtcagcgccc acctggacaa ggcctctatc 180
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<210> 3870

<211> 624

<212> DNA

<213> Homo sapiens

<400> 3870

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<210> 3871

<211> 699

<212> DNA

<213> Homo sapiens

<400> 3871

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<210> 3872

<211> 653

<212> DNA

<213> Homo sapiens

<400> 3872

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<210> 3873

<211> 632

<212> DNA

<213> Homo sapiens

<400> 3873

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<210> 3874

<211> 733

<212> DNA

<213> Homo sapiens

<400> 3874

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<210> 3875

<211> 761

<212> DNA

<213> Homo sapiens

<400> 3875

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<210> 3876

<211> 747

<212> DNA

<213> Homo sapiens

<400> 3876

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747

<210> 3877

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3877

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 ttatcaagtc tcccccaaa aggactctgc ctaattttgt tgaanaagac aaaggaagtg 660
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 nttaaa 726

<210> 3878

<211> 712

<212> DNA

<213> Homo sapiens

<400> 3878

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 gcggcgggca tggcggtggn caaaagcaac cctacctcaa agcacaaaag ttggtgctgt 660
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<210> 3879

<211> 680

<212> DNA

<213> Homo sapiens

<400> 3879

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cagngccgct cagtgtgcgg

680

<210> 3880

<211> 630

<212> DNA

<213> Homo sapiens

<400> 3880

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ctgtttcaac accatcaaaa gaatacactt ctgcagtaac tgagcttgtc aaagatgatg 360
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aagtgaaaat gagttctgct gaggaagaat ctgaagccat aaaatgtgaa cgagagatga 540
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aaagncaana tttctttgaa gacaatgtgg 630

<210> 3881

<211> 737

<212> DNA

<213> Homo sapiens

<400> 3881

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atggcaaacc tggggaagca agtttgaact caatctggaa gtaatagcct aagcagcttg 180

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gctcctgata tacaaatgat attcaaataa aactcaaaan cctggtaagg ggaaggtang 720
gagacaaant atgtacc 737

<210> 3882

<211> 789

<212> DNA

<213> Homo sapiens

<400> 3882

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caagtgggtcc ccttgnctac aggagccccc cacctttcct tgcccaagaa ccccttantt 780
ggtccccaa 789

<210> 3883

<211> 714

<212> DNA

<213> Homo sapiens

<400> 3883

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atgagattgc agcaattcag tcacatcttc aggtctctaca tccgattgta gttctcttgc 660
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<210> 3884

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3884

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 gttatctact acaaaggggg ggagtttccg gtttaactcc ccaatttttt ccttangnag 780
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<210> 3885

<211> 683

<212> DNA

<213> Homo sapiens

<400> 3885

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ngctctggac cggtttgcaa tgaagcgggt ctaatgaggg ataagattgt gccccaaaat 660
ttttgggggg gnccccccna aaa 683

<210> 3886

<211> 683

<212> DNA

<213> Homo sapiens

<400> 3886

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cgcccctgca ttatcccaga gaacggagaa atcccccgag cagcccttaa cactgtccac 120
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tttaaggact acaatctgag cattaatggg tatcaaactc ttgggctttg ggaaccaaaa 660
aaattttccc ccngntttcc ccn 683

<210> 3887

<211> 677

<212> DNA

<213> Homo sapiens

<400> 3887

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 cctggctgan aaaggcagcg ctgccttcag ggaactgggc ccattgcctg gggggggaaa 660
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<210> 3888

<211> 666

<212> DNA

<213> Homo sapiens

<400> 3888

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<210> 3889

<211> 656

<212> DNA

<213> Homo sapiens

<400> 3889

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<210> 3890

<211> 658

<212> DNA

<213> Homo sapiens

<400> 3890

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gaatacaciaa gcgatgatat gaacgtagca cctgaagaca ggggtgtgggt gagaggatgg 180
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<210> 3891

<211> 659

<212> DNA

<213> Homo sapiens

<400> 3891

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<210> 3892

<211> 571

<212> DNA

<213> Homo sapiens

<400> 3892

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<210> 3893

<211> 680

<212> DNA

<213> Homo sapiens

<400> 3893

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agtggtagggc cttaaaccat atgttgaaaa catctgggnc ttattactaa aaagggccca 660
aaanccnttt gggggtttgg 680

<210> 3894

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3894

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<210> 3895

<211> 709

<212> DNA

<213> Homo sapiens

<400> 3895

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<210> 3896

<211> 539

<212> DNA

<213> Homo sapiens

<400> 3896

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<210> 3897

<211> 717

<212> DNA

<213> Homo sapiens

<400> 3897

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<210> 3898

<211> 681

<212> DNA

<213> Homo sapiens

<400> 3898

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<210> 3899

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3899

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tgaataacat ccatagtgtt tagagagaaa aaaataaacc aataacctan ctactgacaa 660
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<210> 3900

<211> 675

<212> DNA

<213> Homo sapiens

<400> 3900

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tgtccntaaa angta 675

<210> 3901

<211> 650

<212> DNA

<213> Homo sapiens

<400> 3901

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<210> 3902

<211> 643

<212> DNA

<213> Homo sapiens

<400> 3902

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 ctcaccctgt tctcagtaaa gatcgcaact ttcattgtat cctggaaata tgatcacnga 600
 tctaagtgtt aggcggaaaa aatactanag agatgttntg cgg 643

<210> 3903

<211> 779

<212> DNA

<213> Homo sapiens

<400> 3903

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<210> 3904

<211> 694

<212> DNA

<213> Homo sapiens

<400> 3904

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 agccagggac atgatgcaag cgaagcttgg gatctgggca agttggactt tgatcctttg 660
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<210> 3905

<211> 472

<212> DNA

<213> Homo sapiens

<400> 3905

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 cggaaaatgg tgaaaggcag gattgggaac cccacagacc gcagctcctc ccaggagaac 180
 cccacacatg agtctggatc ctgcctatga tcctcccgtg gccccacac aatctgggga 240
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 gaggggaccc agggacgagc tgcgccaggg agactcgggt ccgcagaccc cggaatcgct 420
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<210> 3906

<211> 575

<212> DNA

<213> Homo sapiens

<400> 3906

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<210> 3907

<211> 788

<212> DNA

<213> Homo sapiens

<400> 3907

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<210> 3908

<211> 475

<212> DNA

<213> Homo sapiens

<400> 3908

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<210> 3909

<211> 722

<212> DNA

<213> Homo sapiens

<400> 3909

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<210> 3910

<211> 602

<212> DNA

<213> Homo sapiens

<400> 3910

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<210> 3911

<211> 742

<212> DNA

<213> Homo sapiens

<400> 3911

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<210> 3912

<211> 742

<212> DNA

<213> Homo sapiens

<400> 3912

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<210> 3913

<211> 667

<212> DNA

<213> Homo sapiens

<400> 3913

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 ctatcattaa aagatgcagc tcttgcccaa aaagacagtt cccctgctca cttaccccca 420
 aaggaccgac ctgtcaccgt gttctttgaa agaaaaggaa gtccatgcca atctagtact 480
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 tcaaataatc gcatttcaaa aagagaacac tttagccaa ctcagtctta cagccacaat 600
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atgagta

667

<210> 3914

<211> 783

<212> DNA

<213> Homo sapiens

<400> 3914

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 atgacattcc agatacgcac acatatcttc atacatacac acatacaaat atgtatacat 180
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 acactgcata gtactctaca gaatgggagc actttgattt atttaaccaa ttccttattg 360
 gattgtgttc aatgcttcaa atcaaaactt tcaaaataaa atttacaggg tgtcttggtt 420
 gtgtttctat gtcaatacat agattgacgt tatcttttat ctttttttaa acagatgcag 480
 tgtacttcat aatatgaatg gaacacaatt tctttaaaca tgtgtctatc aaaaatcttc 540
 caatTTTTTT ttactcttat cagtaatgaa catcggttgc acataatctg tgtacaaaag 600
 tacgactgtt tctcaagggt aaattcctan aaggaggata actgggatna aagggtatTT 660
 acatgtaaaa ttgggaaaca tgttgccaaa tgccccaaga gggtaaaccg ggTTaatcct 720
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<210> 3915

<211> 729

<212> DNA

<213> Homo sapiens

<400> 3915

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 ccttattctt agtgccttca tcactctgtg ttttggggca ttctttttcc ttccagactc 420
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 cggtaaaggg gctaaaaacc ccggagtctt cctgatccat ggacccgatg aacatagaca 540
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 gacttcatga tgaattccta natgggcaaa gatggattga agacaacctt gatttcaagt 660
 gtgaattcan aggtgtctgt gtttgaaagt caacattcna gtttaattgg agggctactt 720
 gcancaata 729

<210> 3916

<211> 676

<212> DNA

<213> Homo sapiens

<400> 3916

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 tgtagccaat gaaataacat gttctgggcc ccaccactgg actgggaggt gcagcgcac 180
 caagcagagg ctgcctcctg cctccacgc ctgctgctct cgcaggcagg ggctctgctg 240
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 ccatacctct cgccaccccg tgcctctgtc cccgtgcggc ctgaggagct ccagctttcc 360
 ctgccagcgg tgctctggga gtggggacgt gatgcagggc gagcatgatg caacggggca 420
 ccccagaccc ttccctcccg tggggggagg ggtgtggcac gcanaggggc agagggcggg 480
 gacactggcc ccgtggggga agaaggtgct gtcacagccg ttactgtccc ccgtgggacc 540

cancctggag ccccccatcc tttggctcct gcctgtggcc actcagctct caagtgggca 600
catgcacatc cctgtctcct tccctgngca nctgccctgc ccaatgggct ttctgggtccc 660
agctactgaa accggt 676

<210> 3917

<211> 762

<212> DNA

<213> Homo sapiens

<400> 3917

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tgttaatgga agtgtggcaa ttggagcagg tgacaaagaa caagcccttt cgagtcccc 180
cttcattcac tccacacatg ggttgccttt ggcgtctggg ccacttggtc tccaatggta 240
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gccaaagtag gcactcggn aatccgctt antagctctc atccaagacc acgtgcaacc 660
aatgatgaag gctangatg gggatgcggt caagggcact agccttgaaa aggggggaca 720
agggagaanc ttcaaaaaca agtgnggaa aggcataaac aa 762

<210> 3918

<211> 698

<212> DNA

<213> Homo sapiens

<400> 3918

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 gcggaggttc agcaagaatg cctgcataaa ttttccaccc gggattatat catggaaccc 180
 tccatcttca acactctgaa gaggtatfff caggcaggag ggtctccaga gaatgttata 240
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 ctcatcaga cagggtgtga gccagtgcag gtccaggaaa ctgtggaaaa tcaactgaag 360
 agtttgctga tcaaacattt tgacccccgc aaagcagatt ctatffffac tgaagaagga 420
 gagacccag cgtggctgga acagatgatt gcacatacca cgtggcggga cctfffftat 480
 aaactggctg aagcccatcc agactgtttg atgctgaact tcaccgttaa ggtangaaga 540
 gttctagagt taaggagaaa agtgtttatg aatgtttatt tttggttgtt ggtctgtttc 600
 ctttgacagt tcatatttgc ttttttcca taaaggtctt tattgnttta atttcataaa 660
 gccttacact gaagaaagaa aagtggnaaa aatttgn 698

<210> 3919

<211> 775

<212> DNA

<213> Homo sapiens

<400> 3919

atgacgcgag accccgcccc cgcagcgcgc gcttccaaga tggcggcagc gatgcctgcc 60
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 ctggagtgtt ggatggagcc tttctctgcc ctctgtgaca tttccaattt tagataatgc 180
 ctcacatctc tgtccccccg ggacccccctg gagcccccat gatccctaag aagacagctt 240
 gaacctagat ctcaccccca ggatgttgcg gaggtgtgtg gagcggcctt gcacgttggc 300
 cctgcttgtg ggctcccagc tggctgtcat gatgtacctg tcaactggggg gcttccgaag 360
 tctcagtgcc ctatttggcc gagatcaggg accgacattt gactattctc accctcgtga 420
 tgtctacagt aacctcagtc acctgcctgg ggccccaggg ggtcctccag ctcctcaagg 480
 tctgccctac tgtccagaac gatctcctct cttagtgggt cctgtgtcgg tgtcctttag 540

cccagtgcc a tcactggcag agattgtgga gcggaatccc cgggtagaac cagggggccg 600
gtaccgccct gctgctctac cacctgcacc ctttcttgca gcgccagcag cttgcttatg 660
gcatctatgt catccancaa gctggaaatg gaacatttaa caaggcaaaa ctgttgaacg 720
ttgggggtgcg aaaagnccctg cgtgattaaa aagtgggact gcctgttcnt gcaac 775

<210> 3920

<211> 910

<212> DNA

<213> Homo sapiens

<400> 3920

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ctgcagcagg tgtacgaagc catcgacagc agagatggag catcttgtgc agagttgggtg 120
tcttttaaac atcctcatgt tgcaaaccce cgacttcaaa tggcctctcc agaggagaag 180
tgtcaacaag tcttgaacc cccttatgat gaaatgtttg cagctcattt aaggtgcact 240
tatgcagtgg ggaatcatga cttcatagag gcatacaagt gccagaccgt gatagtccaa 300
tcattcttgc gagcattcca ggcccacaaa gaagaaaact gggctctgcc tgtcatgtat 360
gcagtagcgc ttgaccttcg agtgtttgcc aataatgcag atcaacagtt ggtaaagaaa 420
ggaaaaagca aagttgggga catgttggaa aaagcagcag agttactgat gagctgtttc 480
cgggtctgtg ccagcgacac ccgtgctggt atagaggact ctaagaagtg gggcatgctg 540
tttctggtga accagctgtt taaaatctac ttcaagatca acaaactcca tttatgtaaa 600
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gtaacataca antactacgt tggacgcaag ggctatgttt gacagcgatt ttaagcaagc 720
tgaggggagta cctgtcaatt tgcctttgag cantgtcacc gttctagtca gaagaacaaa 780
nnggatgatt ctgatcaatt gcttccagtt aaaaatgcta ttgggggtcaa atgccactgt 840
gggagccccc gaaaaagttt cacccgatg caattttgcg gaagntaacc anaacttttt 900
aaccnaaggg 910

<210> 3921

<211> 666

<212> DNA

<213> Homo sapiens

<400> 3921

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aaaggccgga ccagaatatg gccaaaggat gaaccctatt agccgcctgg cgcaaattca   60
acaggccaaa aaggaaaagg agccggatta tgttttgctt tcagaaagag gaatgcctcg  120
acgtcgagaa tttgtgatgc aggtgaaggt aggcaatgaa gttgctacag gaacaggacc  180
taataaaaag atagccaaaa aaaatgctgc agaagcaatg ctgttacaac ttggttataa  240
agcatccact aatcttcagg atcaacttga gaagacaggg gaaaacaaag gatggagtgg  300
tccaaagcct gggtttcctg aaccaacaaa taatactcca aaaggaattc ttcatttgtc  360
tcctgatgtt tatcaagaga tggaagccag ccgccacaaa gtaatctctg gcactactct  420
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cacatcgaat agttcagcta caattgccag ggaactcctt atgaatggaa catcttctac  540
agctgaagcc ataggtttta aaggaagttc tcctactccc ccttgttctc cagtacaacc  600
ttcaaaacaa ctggaatatt tagcaaggat tcaaggcttt cangtatgaa ttaaaagcaa  660
nancaa                                           666
    
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<210> 3922

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3922

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aagctggact taaagagttc aaattggagc tggaattgct ctaagcaatt ccagggcctt   60
gcaattttac aattaaggaa gacttaaata tatacatagt cagggtggca aggtaaaagg  120
aggctctgatt tcctctgcga tgttcttcag ctaagaccta aattctgaaa ccgttaaaac  180
ctgaagtgcc tttaaataata ttatttcata agagccccag gttcattgtg tcacttatca  240
aggctctgatt tagggctctc aaggactaat cttgttagtg tttaaagca actaggtttt  300
    
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gtttttggca ttttagttcc atcttctaga ttctgttgtc ttgcagatag agatcaggga 360
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 ggccttagtt tgtgctgttc cctgtaccag gaactctctt tgctgtttct cggtttcttg 480
 ctcaaagtgc acttcaagga aggctttcct gactgacttc ttatttttta agttgttaca 540
 acattgtgta cctttgtttt atagcactta catttatttc tatgaatatt tccttaatgc 600
 ctatattcct tcctaaatcg taaagctgca cnagagcang atcatttggtg tctgccttac 660
 taaccttttc atcctgagtg cctggcaaaa gtgcttggtg nctggattga tacttaataa 720
 atatttgcta agcaaagtga nggtaacctc aaatccaagg gcaagtcaa gctccaagga 780
 attcca 786

<210> 3923

<211> 656

<212> DNA

<213> Homo sapiens

<400> 3923

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 gggaagtcac gtctctctct gcagtttaca gataagcggc tccagcctgt ccacgacctc 120
 acaataggtg tggagtttgg agctcgtatg gtcaacattg atggaaaaca aatcaaactg 180
 caaatctggg atacggggag cagctggagc actgctgggtg tacgacatta caaggcgtga 240
 aaccttcaac cacctgacct catggttaga ggatgcccgg cagcactcta gttccaacat 300
 ggttatcatg ctcatggga ataagagtga cctagagtcc cgcagggatg tgaagagaga 360
 agaaggagag gcctttgcta gggagcatgg acttatattc atggaaactt cagccaaaac 420
 agcctgcaat gttgaagagg ccttcattaa cacagccaaa gaaatatata ggaagatcca 480
 gcagggttta tttgatgtcc acttcccact aagaattagg gtcaaagaca ttctatttga 540
 acacttgcaa ttacctagat ctaattggnc tttggntgat agattctctg cctcgnatt 600
 tcattgagtt ttttctctcc ttgcctttgg gtgtctgctt gccacttcct aaagaa 656

<210> 3924

<211> 821

<212> DNA

<213> Homo sapiens

<400> 3924

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gcttcctcgt tgcccccgcc gcgggcgcga gatggattcc gggtgctggt tgttcggcgg 60
cgagttcgag gactcgggtgt tcgaggagag gccggagcgg cggtcaggac cggccgcgtc 120
ctactgcgcc aagctctgcg agccgcagtg gttttatgaa gaaacagaaa gcagtgatga 180
tgttgaagtg ctgactctca agaaattcaa aggagacctg gcctacagac gacaagagta 240
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ggaggcgctg gagattgctg caaacttga aaataaagca accaacacag accatttaac 420
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agactgtctt ttgtgttttc ctgaaacctt gcctganagc tctttaattt ctgtggaagc 720
gaatagcaat aatagccana aaaatgagaa agctctgaca aatatccaaa aactgttttg 780
canaaaaaga gaagaaacaa gtggttgata anagaactca a 821

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<210> 3925

<211> 635

<212> DNA

<213> Homo sapiens

<400> 3925

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tattatagac cataatatgc ctgtcataag cagactgttt ttgttgactt tcttgacctt 60
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attaacacat ggaaaattgg agcaaataaa actgcaatta atactgctca aacagattgc 180

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agagtatgat gaagaacttg gatgtcattt tattgcagcc tctcctgggg acaccattat 240
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 tcaagatgtg tgatgggang cggggaacat acaaccccca gctgcttaaa ctcttcttta 540
 tccagaattc cccttccttt anctttggga ggcttcanat atcactcagt tgactgatta 600
 aatatcaagg gataggaatc tatccccaag ggngg 635

<210> 3926

<211> 756

<212> DNA

<213> Homo sapiens

<400> 3926

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 gattatcttg gacctaagat agtgaccttg ttttttttc ttaatttttc cattgaaata 120
 catggcctta aggaaatatg caaaaaaaaa aaaaaatgaa cctggaaaaa aaaggtcctg 180
 gaccaggtgg atgcctcata tattaagaaa tccccgaggc cgggtacagt ggcttacgcc 240
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 agctgcctaa gataatttgg nccttagttg ataatatnca agagaatgtg gacttctaag 660
 tccctttgcc ttgcatcctc tgtttcaaat ganttaaagg ggttgtag ggaaagcaag 720
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<210> 3927

<211> 669

<212> DNA

<213> Homo sapiens

<400> 3927

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aaaactaaag gcaggtagcc tggcacctag gaacagaccc aaaaccaagg aaccagaccc  120
gaaaccaggc ctgggcctgc ctgacctag cctagtagtt aaaattctac ccctgacctt  180
gcaactgatg ttatctctag attatagaaa gacattgtaa aacttcccgg tctgttctat  240
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ccactccctt cactatcttg gtgtctgagg ggttttgtct gcggcttgct ctgctacatt  480
tcttggttcc ctgaccagga agcgaggtga ttaacggatg gttgaggcag ctccttangg  540
gactttagcc tgccctgttg aacatccctg cgggggactc caaccagcca aagcaacgcg  600
gatcctgana gtgtccttgg gtangcactt gccctgatgg gacgccttgc caaagcantg  660
tgtggaagg                                     669
    
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<210> 3928

<211> 755

<212> DNA

<213> Homo sapiens

<400> 3928

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aaaaaaaaa aaaaaaaggt ttgtctccgc tgtttcatct ctatggctgt cagaggtggg   60
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ctttctgctt tggcagaact ggctgtgggt tctcgatggt accatggagg atcacagccc  180
atccagatcc ggcgaagact aatgatggtg gctttcctgg gagcatctgc agtaactgca  240
    
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agtactggtc ttttgtggaa gagggcccat gcagaatctc caccatgtgt agacaaccta 300
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 aaaaagactg cagatcttgc ccctcaccca gaagagaaaa agaagaaacg ttctggattc 420
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 atcttccgat attttggcac cttgaaagtc atcagtgagc ctggtgaagc agaagtgttt 540
 atgacaccag aagattttgt gcgatccata acaccaatg aaaaacaacc agaacacttg 600
 ggtctggatc aatatataat aaaacgcttt gatggaaaga aaatttccca ggaacgagga 660
 aaatttgctg atgaaggcag tatatittac acccttggag aatgtgggct catatccttt 720
 tcagactaca ttttctcan aantggtcnt tccaa 755

<210> 3929

<211> 714

<212> DNA

<213> Homo sapiens

<400> 3929

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 agaaatttca aaatctgact tatctggaac aacagcttga agaccatcat aggatggagc 180
 aagaaagggt tgaggaagct aaaaacactc tctgcctgat acagaacaag ctcaaggagg 240
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 tggcagatta aaaccctcag actttaggtt aaatgggaac ttanaagggtt aggaaggtaa 660
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<210> 3930

<211> 632

<212> DNA

<213> Homo sapiens

<400> 3930

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gtgcccagct gagagcagca ccaacaccac ccaggatgag cagcgcaggt ggccaggctg   60
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caccaccctg ccaactgggga tcctcatgga ccgctttggc ccccgacccg tgcggctggt  180
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ctttctgaac tgcaccctca actggcccat cgaagccttt cctgcccctg aggaagtcaa  540
ttacacgaag aagatcaagc tgagtgggct ggnccctggac cacaangtga caggtgacct  600
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<210> 3931

<211> 776

<212> DNA

<213> Homo sapiens

<400> 3931

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ttggatgata caccactgac ttcttttgtt tggaatacac gttatgaacc ctttctggag  180
catgtctaca agctctgtac gcaaacgata tgaaggatgaa gagaagacat taacagggga  240
cgtgaaaacc agtcctccac gaactgcacc aaagaaacag ctgccttcta ttcccaaaaa  300
    
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tgctttgccc ataactaagc ctacatctcc tgccccagca gcacagtcaa caaatggcac 360
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 ctttcaaccg ctagttgatc ccacctcaag tgagctggat gtgaagagag catttgcaaa 660
 atggaggcgg naccataatc atatttggca agtattaatg tatgcaagga gagttttcta 720
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<210> 3932

<211> 733

<212> DNA

<213> Homo sapiens

<400> 3932

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 gtgagctaag gacgggtccgc tccctctcgc cagctccgaa tcctgatcca ggcggggggcc 120
 aggggcccct cgcctcccct ctgaggaccg aagatgagct tcctcctcag cagccgctct 180
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 aaacatgcag aagcaactct aggaagtggg aatctgagac aagctgttat gttgcctgag 300
 ggagaggatc tcaatgaatg gattgctgtg aacactgtgg atttctttaa ccagatcaac 360
 atgttatatg gaactattac agaattctgc actgaagcaa gctgtccagt catgtctgca 420
 ggtccgagat atgaatatca ctgggcagat ggtactaata ttaaaaagcc aatcaaagt 480
 tctgcaccaa aatacattga ctatttgatg acttgggttc aagatcagct tgatgatgaa 540
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 actattctaa agcgtctgtt cagggtttat gcccatatit atcaccaagc actttgattc 660
 tgtgatgcag ctgcaaagan ganggccaac tcaacacctc cnttaagcac ttttaattttc 720
 cttggtcaag gag 733

<210> 3933

<211> 762

<212> DNA

<213> Homo sapiens

<400> 3933

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tatgaaatgt ttcattattga aaacacaaga tgacctttct aatgagctgt atgagaggtg 60
aatctcctca ctgtcactgc catagccaag catcctcatg agagttagca catcggcaca 120
gcatgcatcc agctctggag gccacgggtgc aggcatagct gcctgctgct ctggcagagg 180
ccagtaaata cagttcctag aagcagcctt tgctgtcttt ttacactgta tgcggttttg 240
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cctgaacctt atgctgacct ggagaggaga tgggggacag tgctgttggt gggccagcag 360
tgaatctgta tgcggagagt tgtgttggtg tgatgtggcc gttggtggtc aggtaagagg 420
ctcggcacct tcttgaaga aatcatgtct gaggggtgtac gtttgatatg atcatgccag 480
attggagaag atccaagcca ggaagatggg cttgaagcaa actgcattat caggagtacc 540
ttggtgagag gatcagtgtg aatcctaata ggtacaaaga cttttgtgtt ttggctttgt 600
cacagattta ttgaaaaact tttttgcttc tgcttccatt tttagcattt tagtttctgg 660
ttttcatttt tggngaatec ttgcctttta aactcgtggn ttttctctca ttttcttccc 720
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<210> 3934

<211> 749

<212> DNA

<213> Homo sapiens

<400> 3934

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aaaccgagtt ctggagaacg ccatcaagct cgctgcttaa aattaaacca caggttccat 60
tatgggtcga cttgatggga aagtcacat cctgacggcc gctgctcagg ggattggcca 120
agcagctgcc ttagcttttg caagagaagg tgccaaagtc atagccacag acattaatga 180
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gtccaaactt caggaactgg aaaagtaccc gggatttcaa actcgtgtcc ttgatgtcac 240
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 gcttgctcag aaatctggca atattatcaa catgtcttct gtggcttcca gcgtcaaagg 480
 tgggtctgtc tccttccgag gactgcgatg ctcatcacg cacatcatta agagctctgc 540
 gtttggaac aggcatagca gagattataa tttcaagtat tgaaatgatt tcaaaactgc 600
 ttttttcaa atttggtatta agttccttaa ccacagatct ttgtctctcg atgtgagcca 660
 gtggtaaaat taaattaaaa tgtgggggta tttttgccct cccttttant ctttctaagt 720
 ggncatggna aatgaacatc aaactggga 749

<210> 3935

<211> 784

<212> DNA

<213> Homo sapiens

<400> 3935

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 ccggggcccc aggcattccg ggctgcagat tgacggggat cccggatgca ccgcgcgccc 180
 ccgcgccctc accgacgggt ccagacctgg tgggaagaag gtgcggggac gggtcacctga 240
 ggatcccgat gcctacgagc caagatgctc agctttatag gtgtgacctc cacatgtgac 300
 ttcacctcag ttttgtgatc cgtaaaatgg acaaattcga agctacttca cagtgtgtgt 360
 gagaggatta aatgaaacaa tgcttgtaaa gctctttgca ggaggagacc tcggaagcag 420
 ggcttgcccg gcagagcaca cctgctgtca ccagggacca caggcagcat gaagaccccc 480
 gtggagctgg ccgtcagtgg gatgcagacc ctggcccttc agcaccgctg ccgaggtggc 540
 taccgggtca aggccaggac gtcatatgtg gatgaagact ctgtttggca gcccaacang 600
 caccggcct accccaccgg acttcgattc gccctgggtg gagaaggcta acagaaccag 660
 aggcgtgggc aagganggca tccaagggcc ttggggggca aaagggaag cttgtgagaa 720

ccaacccccct caaagggggc aannaacccc caaccctcaa aaccaaaggg aaagaangaa 780
 acaa 784

<210> 3936

<211> 99

<212> DNA

<213> Homo sapiens

<400> 3936

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 tgantggnat gactgcctat gtgggtggca atgccaccc 99

<210> 3937

<211> 688

<212> DNA

<213> Homo sapiens

<400> 3937

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 taaaaagtac agcatctggc ttagcttcag atacttccag ttttctaaag accagtgcct 180
 tgaatgcttt ttgttactta ggtaagctcc atcaactgta aaataagtat tgggtggattt 240
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 gttcttgcgt aatttgagat tgtaaaacct agaaggtttc ttgtctttgt tatgtangag 480
 gaaacaggaa ttcttggttt aacttaggct gggcctggga agagtttgct gtttacaatg 540
 agatctaacc ccttattgga gatgatttta aaaatctctg gccacctcta tgggcatctt 600
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ctcaattgnt gtcccaagta ntccaata

688

<210> 3938

<211> 796

<212> DNA

<213> Homo sapiens

<400> 3938

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attagactaa agaagagagg taggataatc atgggcattg gcagtggaat tgaaagagta 180
atttcagaag cagaatggtc agatgttgga ggtgattggt tatagagttt aagaattgta 240
ctgattttct attgtgtaac aaactacccc aaaacttaat ggcttaaagc aactattatt 300
tctcctgatt ctgtggttga ctggatggtc gtctgctgct cttgcttaga cttaggcatc 360
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ggacagcaca gactcaaggg ataagaaagg agattccatc tcttgatgaa gaagagctgc 660
aaagggcata tttaatcagt cacangagtc taatgctaca aagtagtttt ttaaaaagat 720
gactagattg gcaagttcaa gggtaatcct ttttaattggt ttaattanat atcacttagc 780
tggnantcag taaagc 796

<210> 3939

<211> 486

<212> DNA

<213> Homo sapiens

<400> 3939

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 gcccgcgaga cccgctccac caggcgctt ggagagcagc gccagcggtc gtcctccagc 180
 tcccgaggg gtcgccccgc cggcgcgagg gacacaatgg gtcccgggc cacgcgaacg 240
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 ttcccacagc agaagacca acaaagacac caggggagcc cggcgggctg ggcgcgagaa 420
 gacgtggtag caggttcgct cctccgagca gacgggaggc gccatcatgg gggggggggg 480
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<210> 3940

<211> 607

<212> DNA

<213> Homo sapiens

<400> 3940

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 gccctgctga ggatcatggt agccaggctg ggatcctggg cccagagcag tgctggctga 180
 cacataggtc tgtggcccag gtgtggtcta cgacacgttc atgctaaagc accagtgcac 240
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 caaccggcag aagctagaca gcaagaagtt gctcgcccc atcagccaga agatgtatgc 480
 tgtgctgcct tgtgggggca tcggggtgga cagtacacc gtgtggaatg agatgcactc 540
 ctccaagtgc tgtgcccatt gcaatgggct gcctgctgga nctggncctc aaggtggctg 600
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<210> 3941

<211> 646

<212> DNA

<213> Homo sapiens

<400> 3941

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gaagcgcgct cccggggagg tgttgcagcc atggctacgg cagccggcgc gacctacttt 60
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gttgtcttct ggccctcagag tatcccttat cagaaccttg ggcccctggg ccccttcact 180
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ggtcgggctc agctactctg gttcctacag actttcttct ttgggatagc gtctctcacc 360
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tctacacttt tacattcatt ctcacccttt tttttgtggg gtanaggagg tgcagtaatt 480
tactcagtga tctttctact ttctagaaac tgtccttcaa agctctttaa gacccccctg 540
ttagtcagtt tcttctctta tatgctctgg ttgagcttga atanaccagt tgttacttaa 600
gaaagaaaca gnnaaagatt ttagcttttc aatcctattt ggcaaa 646

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<210> 3942

<211> 654

<212> DNA

<213> Homo sapiens

<400> 3942

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gaagaaaaag ggggtgcccc acaagtcacc ttaaaatttg atgcctgtgc tgtcattaat 60
agtaataagt taggaataaa gtgtgggttct ctttaattaga aaagaggcta tatggcagaa 120
aataagtaca tctgtcataa attaggactg tgtggaaata aatgtaaata ctggtcttgt 180
gtcatttagg ccacttgatg taaaaaaaat gaaaaggatc cagtccacct tcagaaagga 240
aaaaaatggc ccttcctgtg ctaagggaca atgtaacccc ttagagctag taataaccaa 300
tccccttgat cctcgttgga aaaaagagta gcgtgtgacc ttaggaatca atggggctgg 360

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actgaatccc cgagtaaata tcttggttcg. aggagaagtt tacaaatgct ctcttgagcc 420
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 ttatgtatgt ggaggaactg taatancaga tcaatggnca tgggaagccc gagaattagt 600
 acctacagac ccagttccct gatgaantcc agctcaaaag aatcacccctg aaaa 654

<210> 3943

<211> 682

<212> DNA

<213> Homo sapiens

<400> 3943

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 cgacgcagag ccttcaagcg ccgcagtcgc cgacggcttc cccgcgggccc ccactgtctc 180
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 tcgcatcctg agccgcctgg atttccggct gcaacaancc cgggcccgt gctgttgcct 660
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<210> 3944

<211> 556

<212> DNA

<213> Homo sapiens

<400> 3944

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 acccagctct aattggcctc tccacttctg tcagtgatag taatttttcc tctgaagagc 120
 cttcaaggaa aaatcccaca cgctgggtcaa caacagctgg cttcctcaag cagaacactg 180
 ctgggagtcc taaagcctgc gacaggaaga aagatgaaaa ctacagaagc ctcccgcggg 240
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 gaatccatgt agtgcctttc agtgctcgan gcggcanaac cctgggggta ttagtaaaac 540
 gattggngaa aggtgg 556

<210> 3945

<211> 689

<212> DNA

<213> Homo sapiens

<400> 3945

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 gtggcccttc taaaagtttc cctaattgatg gaagctgtca gttgtcctat ctgtgcagaa 180
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cctctatgga taaaatcata agtttangat ttttanctcc tgtgagtgtt gggggcaaac 660
tacacagaga agacatgggg gtgggntca 689

<210> 3946

<211> 606

<212> DNA

<213> Homo sapiens

<400> 3946

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gtaaatgact ttctctccga aacgctaaat attctttccc gcaggagctc atatccttat 180
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aatgga 606

<210> 3947

<211> 665

<212> DNA

<213> Homo sapiens

<400> 3947

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gaagccagac atggtgactc acacctgtaa acctaacact ttgggaggcc tagttgggag 120

gattgcttga gtccgggagt tcggaaccgg cctggacaac atggtgagac cccgtctcta 180
caaaaaaaaa aaaaaaattt ttaattagcc aggtgtggtg gcatgcacct gtagtcccag 240
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gaatctcttg aaccagggg gtggaggttg cactgagccg agatcatgcc attggacttc 600
acctgggcaa caagaggga actgtntcca aaaaaaaaaa atttgagggg ctgggcaccg 660
nggnt 665

<210> 3948

<211> 861

<212> DNA

<213> Homo sapiens

<400> 3948

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gacactctcc ctaacactga taacctgagc cccagcact ggacggaaga atgctggcgt 180
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atattttgag acgtatcctg gaaaccaatg tttttacgtt nagtggtttt aagtcaaaaag 780
 ttcaatgggn aanacaagtc cttttcacia attaaaaagg ggaaaaaggg gatttttttt 840
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<210> 3949

<211> 878

<212> DNA

<213> Homo sapiens

<400> 3949

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 taaaactcct tagaaaagca caaagcaaaa ctaaagaaga gtatttacta gtgttggata 180
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 tcactgctag ctaattaaca aggatggaat tttcttgcc ttggttatat ctaaaagatt 360
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 ggctcttcc ccaaaagtga cagtaacacc ctactccag gctcaaccac atccagcaca 540
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 cagagtttca tgcttattaa atactttttc aaccagaagg tctgcaaagg ttgatttctg 660
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<210> 3950

<211> 452

<212> DNA

<213> Homo sapiens

<400> 3950

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<210> 3951

<211> 615

<212> DNA

<213> Homo sapiens

<400> 3951

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<210> 3952

<211> 300

<212> DNA

<213> Homo sapiens

<400> 3952

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tcttcgtcac ccccggggtc cgaggtagcc tcccttacac agcctgagaa gagcacaggc 180
cgagtgccca cccaggagcc caccacaggg gagcccacca ggcaagcagc ctcccaagag 240
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<210> 3953

<211> 539

<212> DNA

<213> Homo sapiens

<400> 3953

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ctcttttctg aaagaccaa gcatatcgcc accttaaagt tctcagttta ttttttgcga 180
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<210> 3954

<211> 597

<212> DNA

<213> Homo sapiens

<400> 3954

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ggaggggaga gcttgagccc cactgatgat gacctccac agctcgccaa ctcaggcctc 540
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<210> 3955

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3955

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<210> 3956

<211> 703

<212> DNA

<213> Homo sapiens

<400> 3956

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 aatggaccat gactcccacc aaagatccct gtctctgatt caccaaacag cttcaaccct 180
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 aatgtcactt tccaaattca aattcaactt ctaaagccag gccatattit caatctgtgc 660
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<210> 3957

<211> 849

<212> DNA

<213> Homo sapiens

<400> 3957

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gtacagtcct ggatgtcttt tttgtgcttt ctttaatttc tttccagcta tatataaatg   180
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<210> 3958

<211> 737

<212> DNA

<213> Homo sapiens

<400> 3958

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ttgtgcgctg caccaccctg tgcctgggct actacaagaa cattcacgac atcatccctg   120
acagaagtgg cccggagctg gggggagatg caacaataag aaagatgctg agcttctggt   180

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<210> 3959

<211> 762

<212> DNA

<213> Homo sapiens

<400> 3959

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 ccagaggact ttgtgtttcc attgcttccc aatgaagaat tgagagagaa atacaggcgc 660
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762

<210> 3960

<211> 553

<212> DNA

<213> Homo sapiens

<400> 3960

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aacttgcatt aagcttcttt tttagcaata tcgatgtcag tgttacctct tctttccttt 120
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gaacanncct ggn 553

<210> 3961

<211> 737

<212> DNA

<213> Homo sapiens

<400> 3961

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<210> 3962

<211> 680

<212> DNA

<213> Homo sapiens

<400> 3962

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<210> 3963

<211> 600

<212> DNA

<213> Homo sapiens

<400> 3963

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aaggaaatgt cactcacaga antattcctt ggcatataaa acaaagcctt gactctgctg 540
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<210> 3964

<211> 728

<212> DNA

<213> Homo sapiens

<400> 3964

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<210> 3965

<211> 817

<212> DNA

<213> Homo sapiens

<400> 3965

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<210> 3966

<211> 640

<212> DNA

<213> Homo sapiens

<400> 3966

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tggtaaacan aanaggcatc acctgaagct ctctttgttg gaagatccat ggaagagcat 600
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<210> 3967

<211> 631

<212> DNA

<213> Homo sapiens

<400> 3967

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tgcacgtgtt tggngggctt gtgttgtttc tcttggaac gtgcccgggg ggaaggctgc 180
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 tttcacttag catagtgttt tcaaggttca ttctgttgt aacatgcgtc caaaatttct 540
 tttcaggacn gtataagatt ccacgtctg tatacaccan cttttgttta tccattcatc 600
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<210> 3968

<211> 709

<212> DNA

<213> Homo sapiens

<400> 3968

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 ctcatccact tattggccct cattcngtta gaactgttta atgatctgct cncctttcct 660
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<210> 3969

<211> 666

<212> DNA

<213> Homo sapiens

<400> 3969

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tgtatattta gaaaagtgtt cggatgccgg ttaaagaata cccttgga gtttatgtgc 540
taagccagcc atataatata agagtaataa acttgcagac ccaaagaata aaataaatc 600
tccaaagcag anagattcgt gtgaccata tattaaaaga aagagaacaa gcancttang 660
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<210> 3970

<211> 555

<212> DNA

<213> Homo sapiens

<400> 3970

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aaggcggcag gaagctggag cacgatccca ggaggaacaa tcctgcacca tgactcaaca 180
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tgagctgttg gcaggggagg ggcaatgggc agaacagctg ggctgggcat tggctccac 360
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gagatgctgc accgctccaa ctttctggcc ttgatgggcg gtggtagtag tcccangttc 480
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ggcctcccan aggca 555

<210> 3971

<211> 762

<212> DNA

<213> Homo sapiens

<400> 3971

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caggggtgag ggccggacct ccacgagcgg aatgcgaggt ccgagcctgt agggagaagg 180
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tccgagcctg tanggagaag gaccgtgacc ctgaggcacc aaccaccact cagagaagga 540
gttctgctcc tacctccaat acctggaata ctttaagccag aaccgtcctc cacctaattg 600
ctatgaactc tttgccaaagg gctatgaaga ctatctgcag tccccgcttc agccactgat 660
ggacaatctg gaatctcaga catatgaagt gtttgaaaag gaccatcaa atactcncag 720
tnccaacagg gcatccataa atgtctgcta gaccgagtnc ca 762

<210> 3972

<211> 711

<212> DNA

<213> Homo sapiens

<400> 3972

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tttgtattct accgcagcca gaggacatga atgaaagggt tttggaggca atgacagaaa 180
gagctgagat ggatgaagtg gaacgtttcc agccgctgct ggatggatta aaaagtggaa 240
ccactattgc actgaagggt ggatgcctac agctgatcaa tgctctcatc acaccagcgg 300
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atgaacaagg ggaagaggat tcctatgacc tgaanggacg gctggatgac attcgcatgg 480
agatggatga ctttaatgaa gtctttcana ttctcttaaa cacagtgaag gattcaaagg 540
canagccaca cttcctttcc atcctgcagc acttactctt ggtccgaaat gactatgagg 600
gcagacctca gtactataaa gttgatttga agaattgtatt tcccaaatag ntctgcacaa 660
gaacggggct gatcctgact tcaantgccg gnacctccaa gattgagaat t 711

<210> 3973

<211> 694

<212> DNA

<213> Homo sapiens

<400> 3973

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tctctccgga ttttaggtgg ttatgatgga tgaccaacct ctgaccttg actttcgtac 120
tgagggtctca gcctttgcag cttctccctc caaagcagct tttcttctga ttctgatct 180
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taacatctca tgctgttcgt taaacagatg tctgctgcca aaaagttgtt ctgatagaaa 300
atccaaaatc atcgaccca aaagccaagt ctgtcattgg gctaaagtgc cattcctact 360
aatcctttgc ctcacctgat tcatttgga taaagggccca ggagcttgag tcacccccat 420
gccaggacct ctgttgctat ttgctggctg ctggagaggt ggggtcttgc gggccctgga 480
gaggtgggggt cttgtggggc agagctggag cagatgctgc atccagcagt aagcatgaga 540

atgagcactc acagttttgg gtcctgtgct gggacactgt gcaagtcctg tgcatatatc 600
acctgttgca tttccacag tgaccaatg aagtanatac tgttatcttt accaatttat 660
anatgagcaa cctgaggntt cacaaaattg caca 694

<210> 3974

<211> 526

<212> DNA

<213> Homo sapiens

<400> 3974

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ttgaatacta ggtgttgtaa ggaagtgaga ccagaaggac aagctaaatt atgcattctt 120
acttgaggga tcggaatgga tggggcggag ttctcttcag gctagccttc tgggaaaagt 180
ggatgtcttt ttcagagatt catcacact tgacctgtac ctcttctctg cctccactt 240
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aatgaattaa tgaatgagag ttcctttgct ttaaccattc ctggatgcct gcaaagtaag 360
gaataatgca gtttttatgt atctganttt ataaggggtt actctttcaa gagtaacaaa 420
aaaatgcaaa ctgnaatgaa actacattgt gtttctaagt gtgaaaacga caggctgccc 480
cgtttttacn aattgcattt gcattttaag gnactactga aggtca 526

<210> 3975

<211> 743

<212> DNA

<213> Homo sapiens

<400> 3975

gctgatgttc gttgttctgt ctttaagtgt ctgccaatga ttttggacaa caaactgagc 60
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aaagtgaggg tagcttttgt ggacatgctg ttgaagatca aagctgtgag ggctgctaag 180

ttttgaaaa tatgtcccat ggagcacatt ctggttcgtc tggaaactga ttctcgacct 240
 gtgtctcggc gcctggtgag cctcatcttt aattctttcc tgcctgtgaa tcagccggag 300
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 gaggaagagg acggaaggga gaaggagaat gtgactgttc tggacaaaac actgtcagta 540
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 tgacagaagt atggnaaata ataaagaggg caaactttac acgattaaca agtttgcctc 660
 tgtgttcca anagtatctg aaagtattta anggatgac gctgcaaaga ttcctttaat 720
 caagccaaan gtccttttaa gcc 743

<210> 3976

<211> 757

<212> DNA

<213> Homo sapiens

<400> 3976

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 tgtgacctga tccagagtaa gtgcctctcc aaggagaacg ctaccacgga cctcctcact 360
 aagctgcctg cgcacacagt gggggatgtg aaatgtgaca tggaggtgag ctgcccagat 420
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 acctgccaga cccacaagcc ttgaagagag atgtcccctg tgataatgtc agcagctgtc 660
 ccttctccga tacctgctgc caactcacgt ctggggagtg gggcttgctg tccaatccaa 720

aagccttgnc ttgcttgntt ggaccaccaa ncacttg

757

<210> 3977

<211> 640

<212> DNA

<213> Homo sapiens

<400> 3977

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aagttcactt tcacccatcc aaccagaac atctttttac ctgctctgaa gatggatccc 120
tctggcactg ggatgcttcc acagatgtac ctgaaaagtc gtcactcttt caccaaggag 180
gaagaagcag tacttttttg tctcatagca ttagtaacca agctaattgt caccagtctg 240
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ataagatttc agatagaaca tgcaattagc cttttgaaat ccagcttctg tgcaaaattt 480
tagtatcaga aaatacgaga tttgcagggg aaacatcagt aaactacat taatgtcaat 540
gcccagtttt gacttttgnt agcctgacac tnccaaacag ttgtagaatc cgatanatga 600
ctgatggcaa aagattgtga acatgtggaa gaaaatcagt 640

<210> 3978

<211> 510

<212> DNA

<213> Homo sapiens

<400> 3978

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gtgatgtata tgcaaatiaa tttgcatctc ctggatcatat actaattggg tggtagtggt 180

ttagtagcca agaaacactg cttatggcaa gagaaagtca agtgaaagat taaagaaaat 240
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 tacgcttttg gccatgtgta cactgggtgca ttttcaagac agtggctatc ttttcacttc 360
 tgtttggcta atcatgttat gttgttctga agttactgct gccctatacc cacttcacac 420
 agcctgagct ctgtctcctt ccaatgaaca tgaanatcct ttgattccnt agttcctgggt 480
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<210> 3979

<211> 739

<212> DNA

<213> Homo sapiens

<400> 3979

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 cttgaccatc tgtgtaaggg ttgtccgctt aatggtagct gcagcaaagt ccacttccat 360
 ctgccttacc ggtggcagat gcttattggt aaaacctgga cggactttga gcacatggag 420
 acgatcgaga aaggctactg taaccccgga atccagctct gttctgtagg aagttataca 480
 atcaattttc gggtaatgag ttgtgattcc tttcccatcc gacgcctctc cactccttct 540
 tctgtcacca agccagccaa ttctgtcttc accaccaa at ggatttggtt ttggaagaat 600
 gaatctggca catggattca gtatggagaa gagaaagaca aacggaaaaa ttcaaacgtc 660
 gactcttcat acctggagtc tctctatcaa tcctgtccca nggggagttg tgccatttan 720
 gcggctcacg gaactatna 739

<210> 3980

<211> 736

<212> DNA

<213> Homo sapiens

<400> 3980

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agattaacgg ccgtcccgaa tatgcagcag aggcacaggt ctcccctact catttcaaaa   60
tatattagcc ttgctctaata tagatattaa attttaattc cgtaaactt ttttcttaag  120
tgcacaaagc atcgactacc ctggaggcaa acacatcggg ctgcttcagc gtttagcggga  180
tgcttagcat tttgaatatt gtggcaaaaa aattaaaagt tcacttatta atatttatca  240
gcagtatcat aatttccatc ctcttatttc agaatttcac ttgaggcaaa aataccacaa  300
gtgtaattac tctagcacag ctattaatgt gctggatgat aggccactgc gtcacatgac  360
cttctattgt tcatgggttt aaagagaaag cagggccttg tatttctttt tcttctttta  420
aagtcgactg tagcatcttg gcttttgtct ggggtgggga ggatctgggg tctggttcac  480
tttgtaaaag taaaccatgt ctgtttaaac aatagagggtg tttaagaaga ctctttagtt  540
ttcctgcaga ttgttcaaga ttacatgata atcacacgga gtatttattt cctactgaca  600
aaccaagtac ttgttacatc accaatggta ccaggagatg aagaccnggt tttagacagg  660
agcgagatta ccacccaaaa aggagctcct gaggcagccc acttctanca aactttttac  720
atgttgcaaa tttcan                                     736
    
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<210> 3981

<211> 742

<212> DNA

<213> Homo sapiens

<400> 3981

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ctttctgccg agcctcggtc ccggccccc aacctccccgc cccatcggtt gttgtctggg  120
cggatttaaa cagtcaagtn aaatcaagct gggtaatcat ggcagaaggt ggatttgatc  180
cctgtgaatg tgtttgctct catgaacatg caatgagaag actgatcaat ctgttacggc  240
agtcccagtc ctactgnaca gacacagagt gtcttcagga attaccggga ccctctggtg  300
    
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ataatggcat nagtggtaca atgatcttgg tagcctggat gggtattgca ttgatcttgt 360
 tcttactgag acctcctaata ctaagaggat ccagcctacc tggaaagcca accagtcctc 420
 ataatggaca agatccacca gctcctcctg tggactaact ttgtgatatg ggaagtgaag 480
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 aaatttcact tgcaagttta tttttgcttc ctggtgttac ttgccattcc tatttacagt 660
 atatttnagt gaatgattat attttttaa aangttacct ggggcttttt ttgggttgtc 720
 ctaaaacttt cnaaacaatt tc 742

<210> 3982

<211> 799

<212> DNA

<213> Homo sapiens

<400> 3982

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<210> 3983

<211> 613

<212> DNA

<213> Homo sapiens

<400> 3983

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tttgacatg gtcctctttg ggaggcatta cgctgcctgt gacagtgtc ttttgataca  180
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gaaagtttga gatttcactc cacctttttt tttggtgtc gtatttccac tgtgggaaag  360
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ttttgttttg ttttgttttg agatggagtc tcactgtgtc cccangctg gagtgcagtg  600
ggtgcnatct cgg                                                    613
    
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<210> 3984

<211> 662

<212> DNA

<213> Homo sapiens

<400> 3984

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gcgcagtgcg gagccggcgg aggctcttgt gctcgcttgt aaacgcctcc ggagcgacgc  120
ggtcgagtca gcggcacaga agacgtcgga ggatttggag agagcggcgg agaataatgt  180
cttccacttg gtggccactg tgtgctccca ggaggaacca gtccagcctc tcctgcggga  240
    
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 tgactatntg tatgacatta ctacttggag acgccactcc aggctggatt gagaacattn 660
 ct 662

<210> 3985

<211> 708

<212> DNA

<213> Homo sapiens

<400> 3985

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 cgagcctcgg tcaaggagtt caaagaggaa atctcccga ggtttaaggc tcagcaggat 180
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 tccaatcctg agatgctgtc acagatcatg gagaaccccc tgggtccagga tntgatgtct 660
 aaccctgatc tgatgcntac atgattatgg ccaaccccc aatcanca 708

<210> 3986

<211> 618

<212> DNA

<213> Homo sapiens

<400> 3986

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atcccccagg ctttgacgga agagtcgtgg tgtatcccag caaccagact ttaaaggact  180
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tgccgatgta taggaaaggg actgtgttga tatggcagaa ggtggatgaa gtgatgacaa  420
aagaaattaa gctgccaaaca gaaatggaag gaaaaaagat ggagtgacc cggaccagga  480
caaagccagt gcccttgcac tgcgatatca tcggggatgc tttctggaag gaacatccag  540
agattctaga tgaagacagc tgaccctttt gcgcttnant tctggtgtgc ttaaccatgc  600
aagcccttcc acctncca                                     618
    
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<210> 3987

<211> 711

<212> DNA

<213> Homo sapiens

<400> 3987

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ggtacggggc aagatgatgt ctggacacgt ggagtaccag atcctggtgg tgaccgtct  180
ggctgcgttc aagtcggcca agcacaggcc cgaggatgtc gtccagttct tggctctcaa  240
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<210> 3988

<211> 741

<212> DNA

<213> Homo sapiens

<400> 3988

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<210> 3989

<211> 846

<212> DNA

<213> Homo sapiens

<400> 3989

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<210> 3990

<211> 715

<212> DNA

<213> Homo sapiens

<400> 3990

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<210> 3991

<211> 535

<212> DNA

<213> Homo sapiens

<400> 3991

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<210> 3992

<211> 774

<212> DNA

<213> Homo sapiens

<400> 3992

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<211> 416

<212> DNA

<213> Homo sapiens

<400> 3993

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<210> 3994

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3994

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<210> 3995

<211> 752

<212> DNA

<213> Homo sapiens

<400> 3995

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<210> 3996

<211> 786

<212> DNA

<213> Homo sapiens

<400> 3996

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<210> 3997

<211> 739

<212> DNA

<213> Homo sapiens

<400> 3997

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<210> 3998

<211> 739

<212> DNA

<213> Homo sapiens

<400> 3998

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<211> 585

<212> DNA

<213> Homo sapiens

<400> 3999

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<210> 4000

<211> 683

<212> DNA

<213> Homo sapiens

<400> 4000

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<210> 4001

<211> 262

<212> DNA

<213> Homo sapiens

<400> 4001

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<210> 4002

<211> 615

<212> DNA

<213> Homo sapiens

<400> 4002

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<210> 4003

<211> 697

<212> DNA

<213> Homo sapiens

<400> 4003

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<210> 4004

<211> 651

<212> DNA

<213> Homo sapiens

<400> 4004

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<210> 4005

<211> 813

<212> DNA

<213> Homo sapiens

<400> 4005

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<210> 4006

<211> 745

<212> DNA

<213> Homo sapiens

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<210> 4007

<211> 597

<212> DNA

<213> Homo sapiens

<400> 4007

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gtgatccgta aaatggacaa attcnaagct acttcacaag tgctgttgat aggattaaat 540
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<210> 4008

<211> 681

<212> DNA

<213> Homo sapiens

<400> 4008

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tcccagcctg gggctccgca gtacccgnag ctacttcatg gaatgcctgg tggacnccn 660
catgctggac caccttacca a 681

<210> 4009

<211> 652

<212> DNA

<213> Homo sapiens

<400> 4009

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gaattaggtg atgggaaatg cctaccattt gaatctataa agataagcaa ggcagggtgc 240
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<210> 4010

<211> 730

<212> DNA

<213> Homo sapiens

<400> 4010

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aatgaaagat tcaagaattt tactttggtg gtactgaaca atgtggcaga atttgtgtgc 660

aaatatnaac tattataaaa tctgtttcaa gtatgcagtt ttcttttggt agaaattggt 720
agagaatnna 730

<210> 4011

<211> 671

<212> DNA

<213> Homo sapiens

<400> 4011

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<210> 4012

<211> 737

<212> DNA

<213> Homo sapiens

<400> 4012

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<210> 4013

<211> 705

<212> DNA

<213> Homo sapiens

<400> 4013

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<210> 4014

<211> 797

<212> DNA

<213> Homo sapiens

<400> 4014

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acgccccan ccgtcacacc cttgggaccc ttaccacccg naacacacac cacactnctt 780
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<210> 4015

<211> 662

<212> DNA

<213> Homo sapiens

<400> 4015

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agagaactca cgtcaggcaa aaatgtttta caagagaggc anctaagtct tttccacagn 600
ggatgacaca agtnccctt acaaaaccac ccacagatcc aaccccaagg aaactcttgc 660
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<210> 4016

<211> 824

<212> DNA

<213> Homo sapiens

<400> 4016

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 ggataagang gaagaaaatg accagtcaac tcataaagtg gatggtatat gtccgagggt 720
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<210> 4017

<211> 613

<212> DNA

<213> Homo sapiens

<400> 4017

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<210> 4018

<211> 587

<212> DNA

<213> Homo sapiens

<400> 4018

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<210> 4019

<211> 598

<212> DNA

<213> Homo sapiens

<400> 4019

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<210> 4020

<211> 568

<212> DNA

<213> Homo sapiens

<400> 4020

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<210> 4021

<211> 603

<212> DNA

<213> Homo sapiens

<400> 4021

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<210> 4022

<211> 598

<212> DNA

<213> Homo sapiens

<400> 4022

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<210> 4023

<211> 650

<212> DNA

<213> Homo sapiens

<400> 4023

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<210> 4024

<211> 775

<212> DNA

<213> Homo sapiens

<400> 4024

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<210> 4025

<211> 623

<212> DNA

<213> Homo sapiens

<400> 4025

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<210> 4026

<211> 622

<212> DNA

<213> Homo sapiens

<400> 4026

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<210> 4027

<211> 796

<212> DNA

<213> Homo sapiens

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796

<210> 4028

<211> 541

<212> DNA

<213> Homo sapiens

<400> 4028

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<210> 4029

<211> 762

<212> DNA

<213> Homo sapiens

<400> 4029

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<210> 4030

<211> 704

<212> DNA

<213> Homo sapiens

<400> 4030

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<210> 4031

<211> 546

<212> DNA

<213> Homo sapiens

<400> 4031

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<210> 4032

<211> 653

<212> DNA

<213> Homo sapiens

<400> 4032

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<210> 4033

<211> 690

<212> DNA

<213> Homo sapiens

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<210> 4034

<211> 605

<212> DNA

<213> Homo sapiens

<400> 4034

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<210> 4035

<211> 637

<212> DNA

<213> Homo sapiens

<400> 4035

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<210> 4036

<211> 659

<212> DNA

<213> Homo sapiens

<400> 4036

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<210> 4037

<211> 695

<212> DNA

<213> Homo sapiens

<400> 4037

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<210> 4038

<211> 483

<212> DNA

<213> Homo sapiens

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<211> 617

<212> DNA

<213> Homo sapiens

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<211> 670

<212> DNA

<213> Homo sapiens

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<210> 4041

<211> 653

<212> DNA

<213> Homo sapiens

<400> 4041

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<210> 4042

<211> 721

<212> DNA

<213> Homo sapiens

<400> 4042

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<211> 699

<212> DNA

<213> Homo sapiens

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<210> 4044

<211> 647

<212> DNA

<213> Homo sapiens

<400> 4044

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<210> 4045

<211> 758

<212> DNA

<213> Homo sapiens

<400> 4045

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 agaacccttg gttcagactc cgtgattctg aagacaggtc tgactcccag gcagcacagc 180
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 ccaggatggg atttaatgca tcttccatgc tacgaaaaag ccagctgggt tttctcaacg 480
 tcaccaatta ctgccattta gcccacgagc tgcgtctcag ctgcatggag aggaaaaagg 540
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<210> 4046

<211> 492

<212> DNA

<213> Homo sapiens

<400> 4046

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 tgaatttaaa ttttccctaa taagagaaat taaatatgaa agaataggat tttgttgggt 420
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<210> 4047

<211> 386

<212> DNA

<213> Homo sapiens

<400> 4047

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gcgatggcgt cccatggagg aaacacactg gaaatcgtgc agaaaatggg aagatgcagg 180
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tgcctgctan gaggagcgtc tccaccagca acaggccggc ccctgaggga gacagcagag 300
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<210> 4048

<211> 712

<212> DNA

<213> Homo sapiens

<400> 4048

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gcaggctgct ggggggtttg tagcgcttgt aggggtggctg agttatttct ttctgcaaac 480
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actcctgtca gcattataga gacttgcact atctgttaag taaatgtgac ttaggagaag 540
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<210> 4049

<211> 675

<212> DNA

<213> Homo sapiens

<400> 4049

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<210> 4050

<211> 633

<212> DNA

<213> Homo sapiens

<400> 4050

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 gggatctgta ctgagcaatt agagattcaa aacaactgtc acacacgaca gaggtggtaa 180
 ccgccaaca ggttcacctc ttccgccgcc tacacagagc cgatttatca agacaggaat 240
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<210> 4051

<211> 721

<212> DNA

<213> Homo sapiens

<400> 4051

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 tttttaacca ctttaacaaa ccatgtaacc ctgagagcta tgcttgttgg acaacatggt 180
 gtaatgtacc acaggctgta gagccagata ctggggtttg aatccttatt caacatggga 240
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ggaatcgggt gctgggtgcag ggagattgan cagggatgaa nagagaaaat cacagagtgg 660
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 g 721

<210> 4052

<211> 648

<212> DNA

<213> Homo sapiens

<400> 4052

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 gctctaagct gtatatgctt aaggattcac cccaagccca ataacacttt ggtttttttt 480
 tagcctcata gagttactgc cttgatggc ttggacaaga ttcaggattc tctggattac 540
 catacagaga ctcttgttca ttccgttact gntcccaaaa caaaggaggt ccctttctct 600
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<210> 4053

<211> 573

<212> DNA

<213> Homo sapiens

<400> 4053

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 gaaaggctaa atatcctgtt cctcttcaaa ctttttaggg attttagtgc cagtataat 240
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<210> 4054

<211> 773

<212> DNA

<213> Homo sapiens

<400> 4054

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 ggtagagat cagtggaag gaagaccaca taaaggtttt tgcacaaact tgccttgatg 240
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 aatgttgcta tgggaacccc agcagatctc cttgtgtctc cgtttaaaaa tcatggccca 480
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<210> 4055

<211> 584

<212> DNA

<213> Homo sapiens

<400> 4055

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nagctccnaa catccttggg gaaaggaaga gcatttattc gctactcctt ggcgccaccag  180
aggttggcag acacettaca gcagtgcctt atgaacacca aagtgaccag tgactggtac  240
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tccaactatg acctgaacag ccncctaaac aacnaggcat tggagggctt tgatgagatg  540
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<210> 4056

<211> 664

<212> DNA

<213> Homo sapiens

<400> 4056

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agaaaccttt aatccaggcc taaatttgca tagacctgac attcagctgc cttgcagttg  180
cttcctccca tgagccaagg tgggtgcaga gggcaactgg atgactcgca gtaccacagc  240
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catcagtgtgt gtgggctggc tgcaagcctc gaaacagttc tcctggaagg gaggtttttg 360
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<210> 4057

<211> 547

<212> DNA

<213> Homo sapiens

<400> 4057

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 gccaggaaaa ctcataaga tcaacattat gaacatgaac aagcagagca agctgtattc 480
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<210> 4058

<211> 632

<212> DNA

<213> Homo sapiens

<400> 4058

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 gctacggcgc cctccacaac agaggtgccc ccacccccga ggacctgct ggaggcgctg 180
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<210> 4059

<211> 778

<212> DNA

<213> Homo sapiens

<400> 4059

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 ttactgtta ccattatttc ctggctttac attggtttta gataatatct gtagggtata 180
 gtataatgtt atccaaatat taaattacat atagtatgtt tagttttatt tagcattgtt 240
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<210> 4060

<211> 719

<212> DNA

<213> Homo sapiens

<400> 4060

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<210> 4061

<211> 638

<212> DNA

<213> Homo sapiens

<400> 4061

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<210> 4062

<211> 628

<212> DNA

<213> Homo sapiens

<400> 4062

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 ccaagccttg aaggacaggg agaatttggg caagccagac aacaaatcag acttccaga 180
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gtgccccang gtagactatt ngggtgng

628

<210> 4063

<211> 545

<212> DNA

<213> Homo sapiens

<400> 4063

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<210> 4064

<211> 672

<212> DNA

<213> Homo sapiens

<400> 4064

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<210> 4065

<211> 560

<212> DNA

<213> Homo sapiens

<400> 4065

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<210> 4066

<211> 690

<212> DNA

<213> Homo sapiens

<400> 4066

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<210> 4067

<211> 605

<212> DNA

<213> Homo sapiens

<400> 4067

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<210> 4068

<211> 648

<212> DNA

<213> Homo sapiens

<400> 4068

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<210> 4069

<211> 612

<212> DNA

<213> Homo sapiens

<400> 4069

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 cacaagcgcc gggcgccaga gctgtaccgg gctccgttcc cgttgtacgc gcttcaggtc 360
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<210> 4070

<211> 550

<212> DNA

<213> Homo sapiens

<400> 4070

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<210> 4071

<211> 605

<212> DNA

<213> Homo sapiens

<400> 4071

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cttccttcag tctcgcaaag ctgtcttcat ttaccttcca taagagggtg ggagtcgtgt  540
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<210> 4072

<211> 739

<212> DNA

<213> Homo sapiens

<400> 4072

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gaaccgttca ggtcctgaag cggtcaggcc gagagctgat tgagaatagt cgagatgaca  180
ccacttgggt aaaaggacag ctccaggaac tgagcactcg ctgggacact gtctgtaaac  240
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<210> 4073

<211> 805

<212> DNA

<213> Homo sapiens

<400> 4073

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agttatagcc tctaaagcct gtggtatfff atataatatt tttataactt taagagactg 180
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<210> 4074

<211> 757

<212> DNA

<213> Homo sapiens

<400> 4074

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cacatgctgt cccctgtac tgggaggtgc tggctgtgtt ctaggcctgc ctcattgggta  240
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ggagacctgc ttttttatct ctggaaactt ttaggatctt ctcattatcc ctagatctgg  660
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<210> 4075

<211> 731

<212> DNA

<213> Homo sapiens

<400> 4075

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aagttttctt tanaacgtca gacttgggat cagctctgct tcactaccag caggaggctn 720
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<210> 4076

<211> 647

<212> DNA

<213> Homo sapiens

<400> 4076

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<210> 4077

<211> 711

<212> DNA

<213> Homo sapiens

<400> 4077

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<210> 4078

<211> 596

<212> DNA

<213> Homo sapiens

<400> 4078

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<210> 4079

<211> 694

<212> DNA

<213> Homo sapiens

<400> 4079

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 aatgttttca gctgtggttg taagaaacac attttaaatt gcacctagta tagacataca 180
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<210> 4080

<211> 758

<212> DNA

<213> Homo sapiens

<400> 4080

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<210> 4081

<211> 734

<212> DNA

<213> Homo sapiens

<400> 4081

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 ggccccctct gaaancggtc caggatcctg cacatggcgc ttgaccgggg gcctnagaac 720
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<210> 4082

<211> 652

<212> DNA

<213> Homo sapiens

<400> 4082

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 tattatgtcc ttgntggcct aactgtgctg anccaantgc caatggatgg ca 652

<210> 4083

<211> 700

<212> DNA

<213> Homo sapiens

<400> 4083

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tcatcccaa ggaggacggc gtgatcacgg ccagccagga taatggagct gtaatggaat  180
ttcacgtttc tgaagatttt aataaaatga actttatcaa gacctacca gctcatcaga  240
accgggtgtc tgcgattatc ttcagcttgg ccacagagtg ggtgatcagt accggccacg  300
acaagtgtgt gagctggatg tgcacgcgga gcgggaacat gtcgggagg cacttcttca  360
cgtcctgggc ttcgtgtctg caatatgact ttgacactca gtatgctttc gttggtgatt  420
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tcaaaggaca tgaaggtagt gtcgcctgcc tctggtggga ccctattcag cggttactct  540
tctcaggagc atntgacaac agcatcatca tgtgggacat cggaggaagg aaaggccgga  600
cgctgttact tcagggccat catgacaagg tgcagtcctt tgtgctacct tcagctnacc  660
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<210> 4084

<211> 639

<212> DNA

<213> Homo sapiens

<400> 4084

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tctgacaata aaggtgtgaa ttctggaaga ttggtggcct gcataaccac tttgttctta  180
ttcagcaaaa taagacccca gctcatggtt aaacatgcaa tgactatgca accatacctt  240
accactaaat gtagtacgca aaatgatttc atggttatct gcaatgttgc aaaaatccta  300
gagctagttg taccactgat ggagcatcca agtgaaactt ttcttgccac tattgaggaa  360

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gatctaataga agctcatcat caaatatggc atgactgtag tgcaacattg tgtgagctgt 420
 cttggagctg ttgtaaataa agtgacacaa aattttaaat ttgtgtgggc ttgtttcaat 480
 agatactatg gtgccatttc aaaattaaaa agtcaacacc aagaggaccc aaataacact 540
 tcacttctaa caaacaancc ancacttctt agatcccttt tcaccgttgg agcactatgt 600
 ccngcatttt gantttggat ctggaagatt ttaaaggna 639

<210> 4085

<211> 583

<212> DNA

<213> Homo sapiens

<400> 4085

cagagtattt gaaatatccc attagcttac tgtagtagt tgtcttagga acttcttact 60
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 tgtgtgtgtg tgtgagagag agagagagag agagagagag agagagagag agaaagagag 180
 agagagtctg tgggttattc ccatttgaca gattggaata ttaaggcaaa aagatactaa 240
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 cacacacaca cagcccacaa ggaaatgcct gacaattacg ctccatgttc tgaaactgac 420
 gtgtcatcat caccacagaa ttgccattt atgcctcagt ttaccaact tcanagtaga 480
 gaaacatttc aacatttaat tttacttgcc angataatgt atgaattagg taatgcntat 540
 aaagaagtgg tttgatgagg ggaaaagctc tancnaaaa gen 583

<210> 4086

<211> 561

<212> DNA

<213> Homo sapiens

<400> 4086

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 tagactaatg actgtccgaa acatgcctc catctgtaat atgggcacca atgcctctgc 180
 tctggaaaaa gacattggtc cagagcagtt tccaatcaat gaacactatt tcggattggt 240
 caattttgga aacacatgct actgtaactc cgtgcttcag gcattgtact tctgccgtcc 300
 attccgggag aatgtgttgg catacaaggc ccagcaaaag aagaaggaaa acttgctgac 360
 gtgcctggcg gaccttttcc acagcattgc cacacagaag aagaaggttg gcgtcatccc 420
 accaaagaag ttcatttcaa ggntgagaaa agagaatgat ctcnttgata actacatgca 480
 gcangatgct catgaatttt taaattantt gctaaacact attgcggaca tccntcagga 540
 ggagaagaaa caggnaaaac a 561

<210> 4087

<211> 674

<212> DNA

<213> Homo sapiens

<400> 4087

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 cgggaactgg cgaggtagtt ccttcgcggt ggagagacct ggaatggcca aatatcaagg 180
 tgaagtcat agtttgaaac tggatgatga ttcagttata gaaggagtaa gcgaccaagt 240
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 gcttcanaca gaacaggatg cacctgctgc cactcgacag cagttctaca ctgacatgta 420
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 ttgtggtgcc tgcattattg cttactggcg atatggttca tggcttgggg caatcagttg 540
 tccaatctgt agacaaacgg taaccttact cctaacagta tttggtgaag atgatcangt 600
 ctcaaggatt tctgagattg catcagggat attaattgatt annaaccggg agattcccan 660
 ggacaaaccc agnt 674

<210> 4088

<211> 666

<212> DNA

<213> Homo sapiens

<400> 4088

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attactaggg caagagctag cctgggaaac ctaagtctgc acattttccg ccgtgttgca   180
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cagctagttg cctaggtata tttgtctcac atctggctgt ttcctcctag agaaccatcc   300
agttggcttt ccaggcctgg aggtgagcta atggatgagt gaatattagc agtgggtgtt   360
cctcatctct ttgaggattt gcctcagagt tcaactacaa gggatttctg gaactaggag   420
ccattcttta catcagttct tgaggcttct ttgatatacag gggcaaaatg atcccttctc   480
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gaggtgccta agaacaacgc taacacgggg ctcaaataag tttggcanat atagttgatt   600
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aagggg                                           666
    
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<210> 4089

<211> 559

<212> DNA

<213> Homo sapiens

<400> 4089

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agtttttaag actgtgtgtg tatgagacag gtcgcgtcct agagcaaacg gttttttttg   60
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cgaagcacct cagagctcct tcgagcgtat cccttcggga aagccccacg ccttccccga   180
    
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ggcgcctect ccggcctgca gcacgccctc gtcctgcact tcctcctcgg aatctgcaag 240
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 tgtggggaaa actgcaattt tggagcagct cctttatggg naatcatact attggaatgg 480
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<210> 4090

<211> 791

<212> DNA

<213> Homo sapiens

<400> 4090

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 actggttaga cagtgggtgc agcccacaga aggcaagcag aagcaggggtg ggggtgtcgcc 480
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 caagcagaaa actggggcaa ccattttggg gcagacactg ggcctagcaa caaggagttt 720
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 cccctgnaaa a 791

<210> 4091

<211> 647

<212> DNA

<213> Homo sapiens

<400> 4091

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aagtgcgcat gtgcgcgagg agtcgctcgg gcacttattg agcgccgact gtctacgggc   60
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agcagcatgg cgagtgtcct gtcccgacgc cttggaaagc ggtccctcct gggagcccgg  180
gtgttgggac ccagtgcctc ggagggggccc tcggctgccc caccctcgga gccactgcta  240
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aaggaagtcc ttaaggctcc cagcacctcg ggccttcagc aggtggcctt tcagcctggg  360
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cccgagagccc aagccctggc ctacaggccc gtctccaaga acatcgatgt cccaagagg  600
gaaatccgnn cgcantggga aatggntgaa natgatggng ggcatgg                    647

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<210> 4092

<211> 658

<212> DNA

<213> Homo sapiens

<400> 4092

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aatcagccag cacgccaagt acacttgctc tttctgtggc aaagtaagta aggcaaagtc  180
tctggtgaga ggagaggag ggcaggtttc ttaccaagt gaggcctgac ttcaaggtat  240
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agataaaagt gttgatggta acttcagatt ttgtgagacg tttttcattt aaagaaaacc 360
gcttaaacgt taatgggtaa aataatcatt tgacagagtg cccccagcct aagccaaacc 420
tgctttgtgg gaaatgattc catcagtttt gtctactgat gtttctgcac caactcccaa 480
aatgtctgtg catctaatac cattctactt gttctgcgag ggatttttgt ttgataaang 540
tttgaacgtt tatgtgcaaa atactgcatt acagcaatcc ttggtttgtt tttgagggag 600
aaanggaggc tttcanaatc cctgacaata aaggngaatc caaaatttan acntctgg 658

<210> 4093

<211> 680

<212> DNA

<213> Homo sapiens

<400> 4093

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tgagctctgc cagtgtatcc agcacacgga agacatggag aacgagatcg acganctgct 600
gcaggagttc naggagaata tggccgcacc tttctgcana ccgtctgctt ctactgagcc 660
aagngcccg atggganccg 680

<210> 4094

<211> 525

<212> DNA

<213> Homo sapiens

<400> 4094

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 tctccacttc cgtgagcctt cctctaagt agatcggggg ggagataatg aaggccacaa 180
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 cgagaatcaa agggccggga gcgatggnga gcgcctgtaa tcccagcact ttgggangtt 420
 gaagcgggag gatcctttga ggccannagt tccaagctgc agtgagccccg tgatcgcacc 480
 actgcactcc agcctgggcg acagancgca cangtgccag caang 525

<210> 4095

<211> 703

<212> DNA

<213> Homo sapiens

<400> 4095

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 aatctgagag cagaggccct ggtcccaggc ccagccctgc atcgtccan gagggcagcc 480
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agggaaggcc caaaaccang cnanggaagt aaagagtga aggaacaacc aagcctgcag 660
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<210> 4096

<211> 578

<212> DNA

<213> Homo sapiens

<400> 4096

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<210> 4097

<211> 823

<212> DNA

<213> Homo sapiens

<400> 4097

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gctcaggtcc ggataggggg caagggtaca gctcgcagaa agaagaaggt ggtacataga 180

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<210> 4098

<211> 758

<212> DNA

<213> Homo sapiens

<400> 4098

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<210> 4099

<211> 881

<212> DNA

<213> Homo sapiens

<400> 4099

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<210> 4100

<211> 624

<212> DNA

<213> Homo sapiens

<400> 4100

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<210> 4101

<211> 732

<212> DNA

<213> Homo sapiens

<400> 4101

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 gatatgctgc cttctccgga gcagactctt tctcccttaa gtaaaatgcc tcactctgtt 180
 ccacaacccc ttgttgaaaa aactgatgat gatgtcatcg gtcaggctcc tgctgaagcc 240
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agacaaagtt ctttancatt ccaaaaagct ctgaccagn ncaagtnca cagagttttg 660
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<210> 4102

<211> 801

<212> DNA

<213> Homo sapiens

<400> 4102

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atatgagact tttaaagaaa gttatataac tacatagaga taaattaaga aagatgccta 600
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<210> 4103

<211> 598

<212> DNA

<213> Homo sapiens

<400> 4103

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gctcagcctc acctccacac cctgaanact cactctctgg ccctgggctc tgttgtgtgc  540
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<210> 4104

<211> 693

<212> DNA

<213> Homo sapiens

<400> 4104

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catctctctc tccagtttca cccaccccac cttttgcttt catttcaggt gtgttggtct  180
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tgcccttggt ggaagcccca ggggtggacac tcaagcacga aggtctctcc ctttaactgct  480
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tctcctcac cgccaccttc cctgccccaa gccccaaagca gccatgggta catgggtccc 600
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<210> 4105

<211> 604

<212> DNA

<213> Homo sapiens

<400> 4105

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atgacttaat tgtatgctaa tactcatctg ataataaatg cttcttaaag ttgacattta 300
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taca 604

<210> 4106

<211> 622

<212> DNA

<213> Homo sapiens

<400> 4106

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<210> 4107

<211> 771

<212> DNA

<213> Homo sapiens

<400> 4107

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 tttttatga agctacacta agatnaagtt gtantcctan gaagtggata ccataattat 720

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771

<210> 4108

<211> 661

<212> DNA

<213> Homo sapiens

<400> 4108

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tgattttatt ttaatgaagt gttatacaat caagaaatgg gggcaagggc ctgcccccca 180
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agaaccaact gctcanggtc acaaaaagt ggcaaaaatt gcnggnctgg ggcaagganc 660
t 661

<210> 4109

<211> 641

<212> DNA

<213> Homo sapiens

<400> 4109

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aagatgcaca caagccaaga tttcaggcaa acaatgagca agaaatatcc cttcatcttg 180
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 aaaacatggt tgaacagcaa aaattagatc cagtcacac gttcagcctc ccatctaagc 300
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 aaagatgaat gtttcaaaaa gaaatgacta aggaaggaaa agaaacaaat gctctaaaga 540
 ttttctctcc ccaagcactt ttactgggtga aataaaaacc agtnacaatc antatgtaaa 600
 aacgggncca cttccctaaa aaaangtant ttttgtagtc t 641

<210> 4110

<211> 749

<212> DNA

<213> Homo sapiens

<400> 4110

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 ggctctggtg ctggagaagg atacgagcca atcagtgatg acgaactaga tgaaattctg 180
 gcaggatgatg cagaaaagag ggaggaccaa caggatgagg agaagatgcc agatccctta 240
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 caccataaaa caagcttaca cgaagtgtc caatgggtag acaatgaatt acttcgattg 660
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<210> 4111

<211> 802

<212> DNA

<213> Homo sapiens

<400> 4111

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aaaatacttg caaaacaata aatggatgcc aacgcacagt cacacaagcc ttatcatcct  720
ttgaangccc cgacaaaaac anggtgcncg ggataaccaa acaaaggatg gctgcnttgc  780
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<210> 4112

<211> 629

<212> DNA

<213> Homo sapiens

<400> 4112

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 cgcccaggaa ctacgctac tgcactccaa atacgggctt catgtgagcc cggcttacga 540
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<210> 4113

<211> 714

<212> DNA

<213> Homo sapiens

<400> 4113

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 ncggcaccat tctcaagagc anacctctac nggattcgct ttcgctncac attggagcaa 660
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<210> 4114

<211> 769

<212> DNA

<213> Homo sapiens

<400> 4114

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cgggacgggg tagtgagcgc gtcacttcct gccgctgcca ggcgcgctcct cccgcgcgct  180
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ttaaaagaac aaggctatga tccatttaaa gaagatctga accatctggt gggatacaan  660
ggaaatcatc tctangtggg ccganaagat ttgattttc tttaaaaaga caagaaataa  720
ggtcctgggt tangggaatt gaaaaaatgt ntacatttcg gnacaaact                769
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<210> 4115

<211> 602

<212> DNA

<213> Homo sapiens

<400> 4115

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 ca 602

<210> 4116

<211> 794

<212> DNA

<213> Homo sapiens

<400> 4116

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 tggaaggtga gcatctggta aaggaacagc tggatgatga agagagtaaa aatctgggga 180
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actttttcan atta

794

<210> 4117

<211> 731

<212> DNA

<213> Homo sapiens

<400> 4117

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<210> 4118

<211> 708

<212> DNA

<213> Homo sapiens

<400> 4118

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<210> 4119

<211> 670

<212> DNA

<213> Homo sapiens

<400> 4119

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 aatgtattgc tgttgaggga catctcgatn caaagaacag ccgttcctgt gcgggccttc 540
 gttgccctcc tgctttcaat ttttaaagaa atcttgagtg cttgaaggcc ttggaactga 600
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caaaacntgc

670

<210> 4120

<211> 751

<212> DNA

<213> Homo sapiens

<400> 4120

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 aaccaagcct accacccaca caccactaa cttccatgcc ttatccgctg tcccatacc 420
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 ttcttccta tgaagttttt cctggtttgt ttttcaaac cccaagttgg gccgtttttt 660
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 atagctaaag gaaataactt tangcctgat t 751

<210> 4121

<211> 567

<212> DNA

<213> Homo sapiens

<400> 4121

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 ggtctgagac aaggctgctc cgaggtagta gctctcttgc ctggaggtgg ccattcattc 180
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 gctggancaa cttcctggaa aaaangattt attcattgag gcagatctca tgagcccttt 480
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<210> 4122

<211> 820

<212> DNA

<213> Homo sapiens

<400> 4122

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 aataccttat atattccaaa ttttattctc tataatggac ttttaaaata aaaggtatat 180
 gtgcttcaag agggcaaaat ttgaatcatg agctaatttg ctaagcatca gattatagaa 240
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 ctaggataat attcctgtc ctctgacaag acaaattacc tgtaatgagt gcagtaactg 720
 aaggggtana cctttaattt aaaataaggn caataacccc cagtactaa ancgaatatg 780

natttagcaa aaatgaaacc ccggagtaac gtngaaaaat

820

<210> 4123

<211> 514

<212> DNA

<213> Homo sapiens

<400> 4123

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 agggcgcggg gccgggcacg gcgttgggag tgcgcggcag ggaccggcca ggcgggctgc 180
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 gtggaccacg tgatcctggg cgtgagctac atgtcgcagg tgctggagaa gggaatggag 420
 gcacaggagc agaggctggg aatccgaatc tccaagtccc atgaagaaga gcctttgggg 480
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<210> 4124

<211> 780

<212> DNA

<213> Homo sapiens

<400> 4124

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 tcagacagtg aaggctgttc tcagggactt ctatgaatcc atgttcccca taccttccca 180
 atttgaactg ccaagagagt atcgaaaccg tttccttcat atgcatgagc tgcaggaatg 240
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 ctttgtgatg tgatgcttag cagtttggcc cgaagaagga aaatatccag taccatgctg 540
 ttttgtggca tgaatatagc ccactgacca ggaattatTT aaccaacca ctgaaaactt 600
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 cccttttata aaaaggctca ctgacaaaga ggacaagctg ttaatttccc acagcaatca 720
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<210> 4125

<211> 679

<212> DNA

<213> Homo sapiens

<400> 4125

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 ctgagctttc gcaggtctgg ctgggagcca aggttaccaa tctgggggggt aaccagcca 180
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 aacagttccc tgtcncctggc aaacaagggg agcctgccgc tggaggagca caagcttccc 600
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<210> 4126

<211> 728

<212> DNA

<213> Homo sapiens

<400> 4126

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atactggaga gaggccttac agatgtagta aatgtggcaa agcatttcga ggggtgttcag  180
gccttactgc ccatcttgca atccatactg aaaagaaatc tcatgagtgt aaagaatgtg  240
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aaccttacia atgcaccctg tgcagtaagg tcttcagtca caattctgac cttgcacagc  360
atcagagagt tcattcatga gagtcctac aaactgtgta tggcaaaacc atcatcatga  420
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tatgtgacac aggctttatc aaggcctgcc aaatcactgg gacatcacca catcactgtg  540
gaggatgaaa gcacacagat gaattgtgtg tacttgggct attattcaag ggccattgct  600
atagaacacg atagggattt acacaagaag taactctgtc tctgggtctc tgataactaat  660
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cngatggt                                         728
    
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<210> 4127

<211> 643

<212> DNA

<213> Homo sapiens

<400> 4127

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aaacaacttt acctggactg aagataaaaag cacagacaag agaacaatgc cctggacatg  180
gtccagaga tccacatgac aggcccaatg tgcctcattg agaacactaa tggggaactg  240
    
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gtggcgaatc cagaagctct gaaaatcctg tctgccatta cacagcctgt ggtgggtggg 300
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aataagggtc tctctctggg ctccacagtg aaatctcaca ccaaaggaat ctggatgtgg 420
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<210> 4128

<211> 833

<212> DNA

<213> Homo sapiens

<400> 4128

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tgagaatggc cataagcaga taagtagcag ttcaactgga tgtctctctt ctccaaatgc 180
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tctgggaaca gcagagatga atggcaaact catagctgca ggtggctata acagagagga 480
atgtcttcga acagtcgaat gctataatcc acatacagat cactggctct tctttgctcc 540
catgagaaca ccaagagccc gatttcaa at ggctgtactc atgggccagc tctatgtggt 600
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cctgaatggg gaagggttata catccgttgg tggctccgga tccatatggg ncaaaaaagg 780
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<210> 4129

<211> 633

<212> DNA

<213> Homo sapiens

<400> 4129

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gtatactaag aatttagttt atgtgaactt agaaactatt gcactcccc cacaagtaaa  180
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ntctggcttt gcagaggaag tttcatgtca gatactgagc ccaagctgca gctaccccag  540
cagagcctca nnggcctttcc cgcactgtct tgggaaacat gggcgtactt tgaggtctcc  600
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<210> 4130

<211> 739

<212> DNA

<213> Homo sapiens

<400> 4130

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cgagcacaac aaggagaggt gatgaggttg gcatgtcgtt tggatcccaa aactagcttc  180
cagatggctg gggagtggct aaagtatcaa ctatcaactt ttcttgatgc tggttctgtg  240
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ttcgtgcagt gggaagccat gactcttttt ttggaaagtg ttatcaccca gatgtttcga 360
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 aatgtgagga ggcatgcttg ttccctccaac atcaaagatg tgtcgtgact accccaagct 660
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<210> 4131

<211> 695

<212> DNA

<213> Homo sapiens

<400> 4131

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 actggctcca catgctctat gctgctctgg gggccatttg gttcaccctg ttccctgggtt 600
 acgacacaca agctggncct ggggaaccg aatcacaaca tcagccnngn ngactacatc 660
 actggggggc ctgcangatt tacacagaca tcac 695

<210> 4132

<211> 772

<212> DNA

<213> Homo sapiens

<400> 4132

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<210> 4133

<211> 783

<212> DNA

<213> Homo sapiens

<400> 4133

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acatggattt aggtgctatt acaaaatact cagcattaca cgccaagccc aatggactga   120
tccttcaata cgggactgct ggatttcgaa cgaaggcaga acatcttgat catgtcatgt   180
ttcgcattgg attattagct gtcctgaggt caaacagac aaaatccact ataggagtca   240

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<210> 4134

<211> 776

<212> DNA

<213> Homo sapiens

<400> 4134

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 ccctgcccac acaaaacagg acatctgtga cgtcctaccc nangccatcc ccaaantaa 720

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<210> 4135

<211> 689

<212> DNA

<213> Homo sapiens

<400> 4135

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taatangnga gtaaaccagc tcctgggta 689

<210> 4136

<211> 664

<212> DNA

<213> Homo sapiens

<400> 4136

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gtcgtcagcc cacttcctag ctgaacagcg cgaggcggcg gcagcgagcc ggggtcccacc 180
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 ncaa 664

<210> 4137

<211> 724

<212> DNA

<213> Homo sapiens

<400> 4137

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tgnn

724

<210> 4138

<211> 667

<212> DNA

<213> Homo sapiens

<400> 4138

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<210> 4139

<211> 814

<212> DNA

<213> Homo sapiens

<400> 4139

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<210> 4140

<211> 677

<212> DNA

<213> Homo sapiens

<400> 4140

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agnantccaa tttctta 677

<210> 4141

<211> 765

<212> DNA

<213> Homo sapiens

<400> 4141

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<210> 4142

<211> 663

<212> DNA

<213> Homo sapiens

<400> 4142

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ata 663

<210> 4143

<211> 625

<212> DNA

<213> Homo sapiens

<400> 4143

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gggttttcnt ggtctgcgct gaann

625

<210> 4144

<211> 791

<212> DNA

<213> Homo sapiens

<400> 4144

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<210> 4145

<211> 815

<212> DNA

<213> Homo sapiens

<400> 4145

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<210> 4146

<211> 719

<212> DNA

<213> Homo sapiens

<400> 4146

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 aactaatact gtattttaaga caggaacccc tgggccctaa caagttgatt tatgcttccg 660
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<210> 4147

<211> 669

<212> DNA

<213> Homo sapiens

<400> 4147

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<210> 4148

<211> 814

<212> DNA

<213> Homo sapiens

<400> 4148

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aatcgagctg tggagtttag tacatcatct ctgtcataca caagtncagt ccaccaggag	660
gacgcaatcc accaccacga aactcttcat ccgattangc acgangccat tcatgtgnct	720
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<210> 4149

<211> 664

<212> DNA

<213> Homo sapiens

<400> 4149

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<210> 4150

<211> 771

<212> DNA

<213> Homo sapiens

<400> 4150

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<210> 4151

<211> 662

<212> DNA

<213> Homo sapiens

<400> 4151

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<210> 4152

<211> 746

<212> DNA

<213> Homo sapiens

<400> 4152

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<210> 4153

<211> 703

<212> DNA

<213> Homo sapiens

<400> 4153

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<210> 4154

<211> 720

<212> DNA

<213> Homo sapiens

<400> 4154

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<210> 4155

<211> 685

<212> DNA

<213> Homo sapiens

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gcctgcgccg ctccgcggag agtccgtgga tctcacaggt tcccagttff ccagacctga   120
agtgttttcc agtcaaagcg aagagacgat ctgtggatgt tgaatatgca aggagctgaa   180
gagagagaca ttagaagaga gacttgtcca ggctgggtaa acaagaacaa gcctgtcttg   240
gagcaggatg tctgtaaaat tgactcatca gggatagtag taaagaggff ccaagaggat   300
gaataccaag attctacatt tgaagaaaaa tatgcatgtg agggcatgaa ggaaaactct   360
cctagggaga ttgctgaatc atgccttttc caggaaggag gttttgggag aataactttc   420

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atccacaaag aagcaccccc tgaaattatt agtcaaggat ataattttga gaaaagcttg 480
 cttttgacct caagccttgt tacacgtctc agggtttcta cagaagagag tctgcatcag 540
 tgggaaacaa gtaatatata aaccaatgat atttcaaacc aaagtaaag tccaactctc 600
 tgcacacaga aaaaatcttg gaaaatgtta tgaatgggtg gnaaaacctt tactcannag 660
 ctcacccctt acccaacatn agngg 685

<210> 4156

<211> 740

<212> DNA

<213> Homo sapiens

<400> 4156

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 tactgcatgc cctaggcaat cctgagctgt ctgtctcttc tgtgtccacc ctcaagaaga 180
 tctgccgaga gtgcaagtat gacctgcctc cctatgctgc caacattgtg gctgtgtccc 240
 aggatgtgct gatgaaacag atccacaaga caagccagtg catgtggctg atgcaggcgc 300
 tgggcttctt gctgtcagct cttcaagtgg aggagatcct taagaacctg cactcgctta 360
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 agctggccat tgttcacatc ttggggcttc tctccaacct cttcaccaca ctggacatca 480
 gtcacatga ggatgatcat gaaggccctg agcttcggaa agctgccaag tgccacaggg 540
 acccaacccc gtggtggtgg tgctgcanca ggtcttccaa gcttatccag aaggtgctga 600
 gcaaatgggt taaatgatgc ccaagttgtg gaagcggtgt gcgctatctt ttgagaaaat 660
 ctgtttaagg ngctgctggg attaaccttg ccccccattg gggccacaag ctgtgtttta 720
 natgcntggg tccggnntgt 740

<210> 4157

<211> 776

<212> DNA

<213> Homo sapiens

<400> 4157

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attgggtgtt atctaagcca ataaaacatt gttgattata ggtttgggtgt tttgaccatt 60
agctgacatt tgattaacct ttttttctat gataagagaa ccatgggtcac ttttaagcat 120
ataatgaact tttatatatt taacagaaga taattgtttt aaaatattac acttattacg 180
tgtaattatg tctacagggc tcactcagct atccattttt gttgtctgtt ggggaaatac 240
tccttaagag gattgtgtgc acaatattaa gttatcatta atcaaattt ctcttctggg 300
agataatttt tatgtgttaa agtagtctca ctatggaaaa acttctaata taactattaa 360
atgtctctcc tcacttacgt tttttttaga gttactgtga caacaacata ctttggccac 420
tctgaacaga tatcccagga gaggtatcag tatgtcgact gtggaagaaa cacaacttat 480
cagttggggc agtctgaata tttaaagtta cttcagccac aacagtataa actggaagag 540
atggatttaa ngaagaaata tctattgnta tttcctatac tctcaatgaa gaggtatttc 600
cnaataggag accttaaatt gaacaaacct aaagggttaca cttctaagag tacagttaaa 660
aagtatgtgg acctgcagtt cttgtaactc tccactctgt gttaatggat aaaattggac 720
canggatcct tttacttgaa atcctaaatt taccngggnt gatttcctt tctcca 776
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<210> 4158

<211> 667

<212> DNA

<213> Homo sapiens

<400> 4158

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ctcgggcctg acctggaagc tccgtcagct ccgtccttgt ccttagagct gagcccagac 120
cccggggtct ggccgaatcc tcacccccag ggcagtgttt ttggtctgcc accttcagga 180
aaacggctgc ggcctcggcc tcccttcggg caccaggaa tgcgggggtc tgctcagtc 240
ccccaccctc catgctccaa cccccggggg ctgcggagcc tgctgcccc tccccgcggg 300
tggggacgtt ctatgcaata cagggttcca ctttagaagt gcgcgcggct agggtcaccg 360
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cccgcccttc ccggcgcagc ccccagctc cacagctgag gcagccccctc tggctttctaa 420
 atccgcggtc gggattcttc ctctgttta gttttttagt ttttccttaa aaaaaaacia 480
 cacatcgatg gactttgctt ccctgttctt gaagaatact tgaatgtcgg ggggcctggg 540
 ggtggggggc tcggagaccg tctgccaagc cctgctgccc ctctgaatc tcgtatgatg 600
 gtcacantcc ggtggccgtg ggggtgctct gccttccttg gnccccantg gcccaaaatc 660
 tgntggn 667

<210> 4159

<211> 793

<212> DNA

<213> Homo sapiens

<400> 4159

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 tgtgagccag gcaaagaatg ggaggaagat gtttttcagg gatcaagccc aaatccattc 180
 attggtaggc caagaattca ttgtcagtaa atctttgggt ctctgttga gaagaacant 240
 gattgtatta gtcagttctc atgctgctaa taaagacgta cccaagtctg ggtaatttat 300
 aaagaaaaag aggtttaacg gactcacagt tctacatggc tggggaagcc tcacaatcat 360
 ggtggaaggc aaaggaggan aaaggcacat cttacacagt ggcaggcang agggcgcttg 420
 tgcaggggaa ctccctttta taaaaccatc agatctcatg agacatatca ttatcatgag 480
 aacagcatgg gaaagacca ccccatgan tcanttacct cccacgacat gcgggaatta 540
 tgggagctac aattcaagat gagatttggg tggggacaca gccaanccat atcaatgatg 600
 ctaaataaac ccatttgtaa cactcacaga agtaacctgg atcactgagt ccccatgtng 660
 gttaaaatta agactgccct tttctgtaan gggaaaatat tttgaacctt aggggcttct 720
 caaaaaaggg gttttggtga gancctttgc caancaattc cttantcaaa ggccttcaag 780
 gacaaaccn gcn 793

<210> 4160

<211> 755

<212> DNA

<213> Homo sapiens

<400> 4160

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tcctttgtca aagatcaagt tgaccatatt tataatggatc tatttctggg ctctctgttc   60
tgttgcatg ctctctatct gttgtccttc ctttactgc taccatactg tctttgattc   120
ctatagcttt acagttagtc ttgaagtcac aaaagcatgg gatcccccatt tagtggatcg   180
tcctggaatt tttaactctc agatttgtac acacctagcc ttcagcaatt tgtgaattac   240
agttcagatt ttcctaccct agcactgggt cccaaagagg tttctgttaa agtatgttgt   300
gattctctcc atctacgact ttctcttctt atttttggga cagaggtttg tcttgtgacc   360
tcacttctct tacagatcta agagtaatgg ttgatttttc aagtttggtc aactttttac   420
ttgttaggat agagtgggtga cttccaagct tcatgcagaa ccggacaaca gaaattgaga   480
gggaaatttc tatgacagaa gagagaaaga agaaaattgc tggataatg accttgaata   540
gaggaaatgg gatatcatct ggtaagcaaa tagagaagct ggcttttagat aagagcctgg   600
acaattcatt catagaatag cagaaaaggc agaatttatg tccatagatg caagtggtaa   660
angtagatat agtgatggga atttgtaaaa agttaccttc caaatgccan tttttttaaa   720
ngaaattaag gaaancaaan gtcaatcaaa ctcaa                                755

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<210> 4161

<211> 694

<212> DNA

<213> Homo sapiens

<400> 4161

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atcaggatgt ctgagaggag agcatggtgt ttttgcttca ttggatccat gcaggctctg   60
gagggtggtg gccactctt tctgggccaa gtagagggtg gctcagacac ccccccttcc   120
tccaggcttc tcactgttaa ctggtgaagc ccggaagagc ttgttgttca agaggaaatc   180
ttgtgttact tctttatgaa ggactccagc ctggtggaga tgaatgagtc ctgaagatgg   240

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aatcgaagct gtttgggcac aatactttta tcagcattta atgacccagt cgaaaattca 300
 ttgtttggac ccaagcactg gtgggaaagg caggaggga ggcctgcctt ccttcctccc 360
 tcccgagccc tacagcaggc catggagtgg tgagcgagtt cgtacagtgc caaccacatt 420
 cccagaaact tccagcagag gttaatcctg ctctctctcaa gtangagaca atgaatggat 480
 ttttaacaaat ggactccctg tgtagctaa tgccaagtcc ctactcaacc taggatgact 540
 ccaatggcgc atgtcccat tcccgggccc taaggctgcg ctaacatgct atcctgcctg 600
 ccccttcatt ctccaacctg gcacattccc actcctttcc cctcccaana cggaaagnca 660
 tgnctggac ntgggacacc ccttcatac caan 694

<210> 4162

<211> 752

<212> DNA

<213> Homo sapiens

<400> 4162

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 tgaaattgaa ccaggatgtg ctattagtta atgaatcana aaagggaata ttanatgaag 120
 ataatgaaaa agaaaaaagg gactcttttag gcaatgaaga atctgttgat aaaacagcat 180
 gtgaatgtgt aaggagtcca agggagtctt tggatgacct gtttcaaata tgttctccat 240
 gcgccattgc aagtggncct cggaacgacc tggctgaatt gacaacatta tgtttggagt 300
 tgaatgtatt gaattctaag atcaaaagca ccagtggaca tgtggaccac actttgcaac 360
 agtactctcc tgaaattctg gcttgccagt tctgaagaa gtacnttttt ctctgaact 420
 tgaaaagagc gaaggagagt atcaagctta gttacagtaa tagcccttct gtttgggata 480
 cttttattga aggattgaaa gaaatggcaa gttccaatcc tgtgtatatg gagatggaaa 540
 aaggagatct accaacaagg ttaaagttac tagatgacga ggttcctttt gatagtccgt 600
 tgttgntgt ttaagctacc cggttgatg aaaagtttg ggaagtctgc tcttcgatc 660
 cntaatcaag ttctttccan ccattttgcc atcggatatc atnaaacttt ggcancatca 720
 acctgctgan gtttttgggg ccaatttaaa ca 752

<210> 4163

<211> 665

<212> DNA

<213> Homo sapiens

<400> 4163

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agttggtgag catcatggca accgttacag ccacaaccaa agtcccggag atccgtgatg   60
taacaaggat tgagcgaatc ggtgcccact cccacatccg gggactgggg ctggacgatg   120
ccttggagcc tcggcagctt cctgatgtgg tagaaatgcc atggtagccc cacaggaaat   180
cacctcatgt ggcctccca cccacaggct tcgcaaggca tggtaggtca gctggcggca   240
cggcgggagg ctggcgtggt gctggagatg atccgggaag ggaagattgc cggtcgggca   300
gtccttattg ctggccancc gggcacgggg aagacggcca tcgcatggg catggcgcag   360
gccctgggcc ctgacacgcc attcacagcc atcgccggca gtgaaatctt ctccctggag   420
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gaggagacgg agatcatcga aggggagggt gtggagatcc agattgatcg accagcaaca   540
gggacgggct ccaaggtggg caaactgacc ctcaaggacc acaganatgg gagaccatct   600
acgacctgng caccaagatg attgagtccc tgaccaaggg acaangtcca agnccggggg   660
acgtn                                                                    665

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<210> 4164

<211> 733

<212> DNA

<213> Homo sapiens

<400> 4164

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ctttcttgat gccgttacgt ccatggattt tttccagga ttaaatttgg aaggctatcc   60
taacagagac agtacgaaat atgctgagat ttatggcatt tcttctgctc acactttgtt   120
gcgggggaca ctgagatata agggattgga atgctgaata atggattgga atgttgaata   180
atgttgaata ccttcctatg gtatcctccc taactccttc ccttgaacc acccagcccc   240

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atctatggat atatgaaagc tttgaatgga tttgtaaaat taggtcttat aaacagagaa 300
 gcgcttcctg ccttttagacc tgaggccaac cctctcaccc ggaaacaact cctctgtgac 360
 ctagttggga tttcacccctc ctctgagcat gatgtgttga aggaagctgt tcttaagaaa 420
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 agagcaaaat atactgggat caatgattgc taatttctac tcaaaaaaag ttaaataattt 540
 tacatttgtc tttgattaat tcgttgctcc aatgtgggta gagagattac catgtgccat 600
 gttcatgtgg gcataaagag tagattaaag agaggagctc aatgggcaat tnagaatttt 660
 gngaaaatgc ttatctcgaa acactttacc actcagttcc caagcatann ggggggtattt 720
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<210> 4165

<211> 690

<212> DNA

<213> Homo sapiens

<400> 4165

ataaataaaa tccatatttc ctctcataca gacccagag ttgctttgcc tgacagtgtgta 60
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 ggaaaaaatg aggggtgttg tagcttcgtt agaaactgaa agctcactga ttttttcaaa 180
 acctaaatag cctgtgtttc tccaaataac taatttgcag ccttcggcag ccaggactgg 240
 cagggatggg gctaggggga ctggggagaa ctgctctctc ctgagggtgg tctgaccoga 300
 cagcacgcat gaccttccca cagtcaggaa ctgctcagag acgtgatggc aactccatag 360
 aatgaaatac tcttcagcca gtaaaatgta tttttggata aatatttgct ttaaaaaact 420
 ttactatatg ttgttaaatg aaaaaaaaaac ctttaaggnat cagaaattat gtgcagtaaa 480
 atctcacttt tgtaaataaa tatacctgtt tactacgtat gcataaaaag aatcctgaga 540
 aatataagta ctgtatgcat attggttgtt aaagtanttt ttccggttgc ttatctanaa 600
 ntccnaattt tgcttcaaag gaaaaagttt actccgggca atattaataaa attaanataa 660
 ctaattttgg ccttgtcaat caaaaccagn 690

<210> 4166

<211> 731

<212> DNA

<213> Homo sapiens

<400> 4166

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tcctaagatg ggggccgtcc ttccctgggg gcagggacgt agggaaccag gcggtgggga 180
gggagaaagg agcgacgagg tcagaggaaa ccttgggttt ccaaggctcc tggggcacca 240
aagggtctcc cgcagtcggg gaattgagcc ctggggagga gccttttgcg agaacgtgag 300
cgcgccccaa cacgcctcag acctcgtaaa cccacttggc aaagaccggg gaagcggctg 360
gcggaccgac tgcggtgaac tcaagaaatt aacctgcgct gcaactaaac gggctgccgc 420
cctttcacac tcacctcgag cgaccgagat agagaaagct cccgaaccgg ncgcgggggg 480
acttggtcc acctcccgt cccgggagaa gangacaaaa aggggagatg gacttggaat 540
ggccccgccc ttcacaagcg ctccaatcct tggaaaccaa acctcctctc caaagcctcc 600
acgtctagaa gggacaaagg cagcgaagga gattcagaga cccgacgggg aaatggtggc 660
tttcaaggct tctgggtgtt gggttgcatt ggggaaaagg tacnatggnn taaactttcc 720
aatcaannaa t 731
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<210> 4167

<211> 493

<212> DNA

<213> Homo sapiens

<400> 4167

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agccatggag caggcacctc cggaccccgga gcggcagctc cagccggcgc ccttggagcc 60
gctgggctcc ccagacgctg ggctgggggc tgcggtcggc aaggaagcgg agggggccgg 120
agaagagagc tctggggtcg acacgatgac acacaataat ttttggttga agaagataga 180
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